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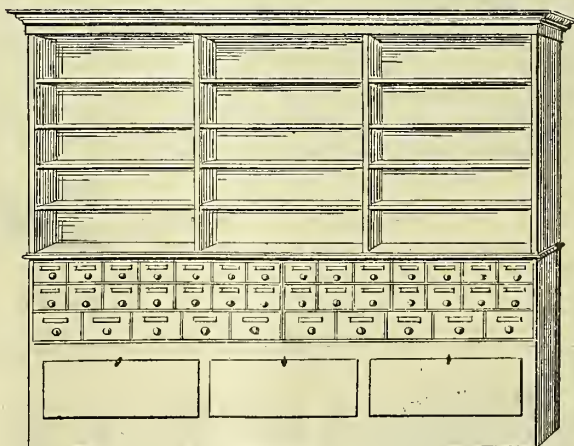
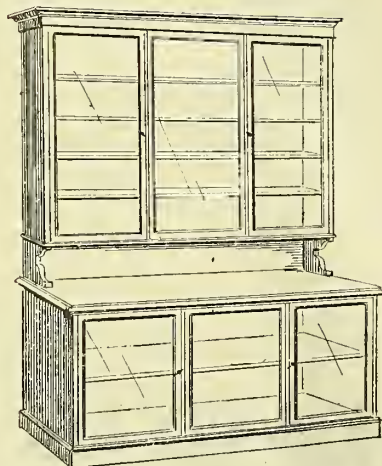
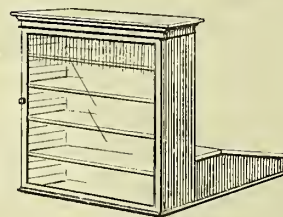
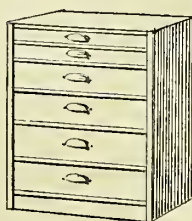
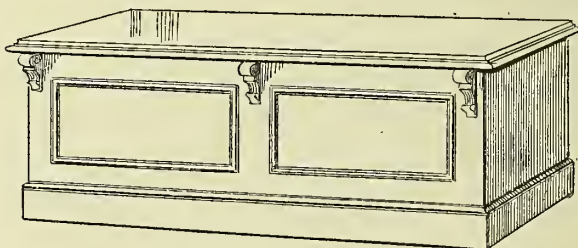
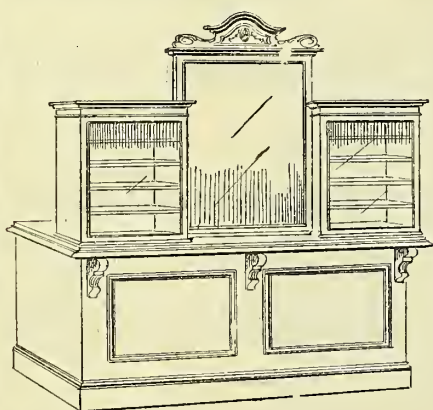
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Wright, Layman & Umney, Ltd

COCOA

Cadbury Bros., Ltd.

Sandow, Eugen

COD LIVER OIL

British Drug Houses, Ltd., The

Charity, W., & Sons

Devold Peder

Jervell & Co.

Möller, Peter, Ltd.

Sparks, White & Co. Ltd.

Wright, Layman & Umney, Ltd.

COLLAPSIBLE TUBES

Betts & Co.

Brooks, Peel & Co.

COLOURS, BEVERAGE, &c.

Barnett & Foster

Boake Roberts & Co.

Stevenson & Howell, Ltd.

COLOURS, CHEMICAL

Williams Bros. & Co.

COMBS

Hovenden, R., & Sons, Ltd.

Maw, S., Son & Sons

May, Roberts & Co., Ltd.

Newbery, Francis & Sons, Ltd.

COMPLEXION LEAFLETS

Sangers

CONDENSERS

Bennett, Sons & Shears, Ltd.

CONFECTIONERY COLOURS

Williams Bros. & Co.

CONTINENTAL PROPS.

Wilcox, Jozeau & Co.

COPPERSMITHS

Braithwaite, H., & Co., Ltd.

Bennett, Sons & Shears, Ltd.

CORKS

Mitchell, N. W., & Sons, Ltd.

Swales, Thomas

Viscose Development Co., Ltd.

CORN EXTERMINATOR

Gardner

CORN PLASTERS

Solport Bros.

COUGH REMEDIES

Valda Pastilles

COUNTER ADJUNCTS

Evans Sons Lescher & Webb Ltd

COUNTER DISPLAY STANDS

London & Colonial Mfg. Co.

COUNTER SPECIALITIES

Allen & Hanburys, Ltd.

British Drug Houses, Ltd., The

Hewlett, C. J., & Sons

Lloyd, T. H., & Co., Ltd.

Lorimer Marshall

Southall Bros. & Barclay, Ltd.

Wright, Layman & Umney, Ltd.

COURT PLASTER

Pharm. Indust. Ges. (Offen-

bach)

Solport Bros.

CREAM OF TARTAR

British Drug Houses, Ltd., The

CREOSOTE

Baiss Bros. & Stevenson, Ltd.

Burt, Boulton & Haywood, Ltd.

Morsou, T., & Son

CREPE BANDAGES

Burge, Warren & Ridgley, Ltd.

Gimber, W., & Son

Leslies, Ltd.

Norwich Crêpe Co. (1856), Ltd.

Wood, Vincent

CYANIDES

May & Baker, Ltd.

DAIRY SPECIALITIES

Fullwood, R. J., & Bland

Oldfield, Pattinson & Co.

DENTAL INSTRUMENTS

Hatrick, Jas. L., & Co., Ltd.

DENTAL MECHANICS

Cullwick H. E.

Fentiman, A. G.

EDUCATIONAL INSTITUTES

Bath & West of England College
Birmingham & Midland College
College of Preceptors
Glasgow School of Pharmacy
Liverpool School of Pharmacy
London College of Pharmacy
North of England School
Northern College of Pharmacy
South of England College
Westminster College

ELASTIC GUM INSTS.

Mason Bros. & Chapman

ELECTRICAL NOVELTIES

Ward & Goldstone

EMBROCATIONS

Ayrton, Saunders & Co., Ltd.

EMERY AND CLOTH

Oakey, J., & Son, Ltd.

EMULSIFIERS

Bennett, Sons & Shears, Ltd.

EMULSIONS, C. L. O. & Co.

Ayrton, Saunders & Co., Ltd.
Baiss Bros. & Stevenson, Ltd.
British Drug Houses, Ltd., The
Burgoyne, Burdidge & Co.
Parke, Davis & Co.

ENEMAS

Burge, Warren & Ridgley, Ltd.
Maw, S., Son & Sons
Newbery, F., & Sons, Ltd.
Warne, W., & Co., Ltd.

EPSOM SALTS

Corbyn, Stacey & Co., Ltd.
Howards & Sons, Ltd.

ESSENCES, CONCRETE

Lautier Fils
Tombarel Frères

ESSENCES, SOL. AND FRUIT

Alliance Drug & Chem. Co.
Barnett & Foster
Booke Roberts & Co., Ltd.
Bush, W. J., & Co., Ltd.
Hay, Wm., Ltd.
Lautier Fils
London Essence Co.
Newball & Mason
Stevenson & Howell, Ltd.

ETHERS

Baile Bros. & Stevenson, Ltd.
Duncan, Flookhart & Co.
Howards & Sons, Ltd.
Macfarlan, J. F., & Co.
May & Baker, Ltd.
Tyrer, T., & Co., Ltd.
Whitaker, A., & Sons

EUCALYPTUS OIL

British Drug Houses, Ltd., The

EXTRACT OF HERBS

Newball & Mason
Potter & Clarke, Ltd.

EXTRACTS (MEDICINAL)

Allen, Stafford, & Sons, Ltd.
Evans Sons Lescher & Webb Ltd.
Gathergood's Exor.
Hewlett, C. J., & Son, Ltd.
Parke, Davis & Co.
Ransom, W., & Son

FACTORY SITES

North-Eastern Railway
Great Western Railway

FEEDING BOTTLES

Bush, Henry, W., & Co., Ltd.
Evans Sons Lescher & Webb Ltd.
Horlick's Malted Milk Co.
Hovenden, R., & Sons, Ltd.
Maw, S., Son & Sons
Reuter, R. J.
Sangers'

FILTERS

Berkefeld Filter Co., Ltd.

FOODS, INVALID,

Allen & Hanbury, Ltd.
Bell (John), Hills & Lucas, Ltd.
Benger's Food, Ltd.
Brand & Co., Ltd.
Cox, Arthur H., & Co., Ltd.
Fairchild Bros. & Foster
Horlick's Malted Milk Co.
Leitch, Ltd.
"Lemco and Oxo"
Loffhouse & Saltmer
Menley & James, Ltd.
Natural Food Co., Ltd.
Neave, Josiah R., & Co.
Theinhardt's Food Co.
Turtle Cup (1911), Ltd.
Wander, A., Ltd.
Willows, Francis, B. & T.

FULLER'S EARTH

Mumford, G. S., & Sons

FUMIGATORS

Sanitas Co., Ltd.

FLESH GLOVES, STRAPS, &c.

Reuter, R. J.
Solport Bros.

FLYCATCHERS

Alabastine Co. (British), Ltd.
Deansmere Manfg. Co.
Ford, Shapland & Co.
Kay Bros., Ltd.
Smith, J. H., & Co.
Tunbridge & Wright

FURNITURE POLISH

Ellvee Company

GLAUBER'S SALT

Bramwell, E., & Son
Howards & Sons, Ltd.

GLYCERINE

Mellert, Hermann & Co.
Price's Patent Candle Co., Ltd.

GLYCERINE PLANT

Forshaw, E., & Sons, Ltd.

GLYCEROPHOSPHATES

Merk, E.
Pointet & Girard
Reitmeyer & Co.

GOLD PAINT

Judson, D., & Son

GRINDERS, DRUG, &c.

Allen, Stafford, & Sons, Ltd.
Goodall, Backhouse & Co.
Willows, Francis, B. & T.

GRIPE WATER

Woodward, W., Ltd.

GUMS

Fink, F., & Co.
Kidston, W. M., & Co.

HAIR DYES

Blackie, Robert
Harker, Stagg & Morgan, Ltd.
Osborne, Garret & Co.

HAIR PREPARATIONS

Anglo-Continental Trading Co.
Cheesebrough Manfg. Co.
Edwards' "Harlene" Co.
Egglossa Manfg. Co.
Harker, Stagg & Morgan, Ltd.
Harrison, G. W.
Herpicide Co.
John Strange Winter
Odol Chemical Works
Osborne, Garret & Co.
Robare's Aureoline
Softo Manfg. Co.
Vibert, F.
Warner Oliver, Ltd.

HAT CLEANERS

Christy, Thos. & Co.
Senior, Alf., & Co.

HAT DYES

Judson, D., & Son
Whitaker & Co.

HAY FEVER REMEDY

Lu-Ku Co.

HEATING APPARATUS

Clark's Syphon Stove Co., Ltd.
Rajar, Ltd.
Richmond Gas Stove & Meter

HERBS

Brook, Parker & Co., Ltd.
Pannett & Neden
Potter & Clarke, Ltd.
Ransom, W., & Son

HOMOEOPATHIC MEDICINES

Ashton & Parsons, Ltd.
Keene & Ashwell, Ltd.

HOSPITAL FURNITURE

Hartick, Jas. L., & Co., Ltd.

HOTELS

Esmond Hotel
Kingsley Hotel
Thackeray Hotel

HOT-WATER BOTTLES, &c.

Bailey, W. H., & Son
Berliner, Arthur
Burge, Warren & Ridgley, Ltd.
Galen Manfg. Co., Ltd.
Maw, S., Son & Sons
Schutze, F., & Co., Ltd.
Sheath Bros.
Sonthall Bros. & Barolaw
Tompkins, James, Ltd.
Wood, Vincent

HYPOPHOSPHITES

May & Baker, Ltd.
Tyrer, T., & Co., Ltd.

HYDROGEN PEROXIDE

May & Baker, Ltd.
Sanitas Co., Ltd.
Tyrer, T., & Co., Ltd.

ICHTHYOL

Ichthyol Gesellschaft

INALERS

Burroughs Wellcome & Co.
Maw, S., Son & Sons
Sanitas Co., Ltd.

INK POWDERS

Williams Bros. & Co.

INSECT POWDER

Aesting, Thomas

INSECTICIDES

Christy, Thos. & Co.
Tomlinson & Hayward, Ltd.

INSTEP SUPPORTS

Schell, C. Manfg. Co.

IODINE RESUBLIMED

Howards & Sons, Ltd.
Huskisson, H. O., & Co.

IRISH MOSS

Cumming, J. W.
Salle, H., & Co.

ITROSYL

Fletcher, Fletcher & Co.

JARS AND POTS

Dowell, John
Johnsen & Jorgensen, Ltd.

JELLOIDS

Melin, C., & Co.

JUJUBES

Guest, Thos., & Co.
Trotter & Clarke, Ltd.

JUNKET POWDER

Armour & Co., Ltd.

LAMPS

Block Light Co., Ltd.

LANOLINE

Burroughs Wellcome & Co.

LARD

Ewen, J., & Sons

LAVENDER OIL

Zimmermann, C., & Co.

LAVENDER WATER.

Maddocks & Co.

LEATHER DYES

Williams, Bros. & Co.

LECITHIN

Salle, H., & Co.
Williams, G. M., & Co., Ltd.

LIME JUICE AND CORDIAL

Evans Sons Lescher & Webb Ltd.
Goodall, Backhouse & Co.

LIME JUICE AND CORDIAL

Idris & Co., Ltd.

LINSEED, CRUSHED, &c.

Mumford, G. S., & Sons

LINTS

Liverpool Lint Co.
Maw, S., Son & Sons
Robinson & Sons, Ltd.

LIQUORICE JUICE

Apollo
Evans Sons Lescher & Webb Ltd.

LIQUORS, CONC. &c.

Horner & Sons
Jackson, E. E.
Mumford, G. S., & Sons
Solazzi

LIQUORS, CONC. &c.

Whittaker, Arthur
Fletcher, Fletcher & Co.
Hewlett, C. J., & Son
Robinson, B., & Co.
Wyleys, Ltd.

LITHIA SALTS

British Drug Houses, Ltd., The
May & Baker, Ltd.

LOOFAHS

Internl. Sponge Importers, Ltd.
Solport Bros.

LOOSE-LEAF ACCOUNT

Morland & Impey, Ltd.

LOZENGES

Ayrton, Saunders & Co., Ltd.
Denoual, J., & Co.
Guest, Thos. & Co.
Jackson, E. E.
Potter & Clarke, Ltd.
Raines & Co.
Standard Tablet & Pill Co., Ltd.
Warwick Bros.

MACHINERY, PHARMACAL

Allen & Hanbury, Ltd.
Bennett, R., & Son, Ltd.
Bennett, Sons & Shears, Ltd.
Braithwaite, H., & Co., Ltd.
Comet Chemical Co., Ltd.
Forshaw, E., & Son, Ltd.
Gardner, Wm., & Sons, Ltd.
Griffin, J. J., & Sons, Ltd.
Lister, R. A., & Co., Ltd.
Pindar, J. W., & Co.
Stokes, F. J., Machine Co.
Wilkinson, S. W., & Co.

MAGNESIA AND ITS PREPS.

British Drug Houses, Ltd., The
Corbyn, Stacey & Co., Ltd.
Henry, T. & W.
Howards & Sons, Ltd.
May & Baker, Ltd.
Phillips, Chas. H., Chem. Co.
Washington Chemical Co., Ltd.

MARKING INK

Huskisson, A. (Bond's)
Williams Bros. & Co.

MALT EXTRACT & PREPS.

Boulton, J., & Co.
British Diamalt Co., Ltd.
British Drug Houses, Ltd., The
Burroughs Wellcome & Co.
Davies, Sons & Co.
Evans Sons Lescher & Webb,

METAL GOODS

Betts & Co., Ltd.

MEAT EXTRACTS

Armour & Co., Ltd.
Brand & Co., Ltd.
"Lemco and Oxo."
Tooth's Extract of Meat Co.
Turtle Cup (1911), Ltd.

MECHANICAL SHOW

Figures
Bush, Henry W., & Co., Ltd.

MENTHOL SNUFF

Christy, T., & Co.
Shirley Bros., Ltd.

MERCURIALS

Alliance Drug & Chem. Co.
Howards & Sons, Ltd.

METHYLATED SPIRIT

Burroughs, J., Ltd.
Macnair, A., & Co.

METHYLATED SPIRIT

Preston's Liverpool Distillery.
Randall & Son, Ltd.

MICROSCOPES

Raphael's, Ltd.

MINERAL WATERS, SALTS

Apollinaris Co., Ltd.
Hughes, E. Griffiths

MIXERS AND SIFTERS

Comet Chemical Co., Ltd.
Gardner, Wm. & Sons (Glas-

MUSTARD PLASTERS

Keuff, Julius

NIGHT LIGHTS

Prescott & Co.

NURSES REQUISITES

Hartick, Jas. L., & Co., Ltd.

OILS, MINERAL, FATTY,

Allen, Stafford, & Sons, Ltd.
Price's Patent Candle Co.

OILS, ESSENTIAL

Allen, Stafford, & Sons, Ltd.
Alliance Drug & Chemical Co.

OILS, ESSENTIAL

Boake, A., Roberts & Co., Ltd.
Bush, W. J., & Co., Ltd.

OILS, ESSENTIAL

Delvendahl & Kuntzel
Dodge & Olcott Co.

OILS, ESSENTIAL

Evans Sons Lescher & Webb, Ltd.
Lautier Fils

OILS, ESSENTIAL

London Essence Co.
Poppelreuter, W.

OILS, ESSENTIAL

Ransom, W., & Son.
Schimmel & Co.

OILS, ESSENTIAL

Stevenson & Howell, Ltd.
Tombarel Frères

OILS, ESSENTIAL

Varaldi, F.
Wright, Layman & Umney, Ltd.

OILS, ESSENTIAL

Zimmermann, C., & Co.

ointment MILLS

Wilkinson, S. W., & Co.

ointment MILLS

Blackie, Robert
Burgess, E.

ointment MILLS

Calvert, F. C., & Co.
Cox, Arthur H., & Co.

ointment MILLS

Oldfield, Pattinson & Co.
Peat Products (Sphagnol), Ltd.

ointment MILLS

Smith, Manrice
Zimmermann, Chas. & Co.

olive OIL

Goodall, Backhouse & Co.
Sparks, White & Co. Ltd.

optical GOODS

Varaldi, F.
Baird, John

optical GOODS

Botwright & Grey
Darton, F., & Co.

optical GOODS

Maw, S., Son & Sons
Nitsche & Gunther Opt. Co., Ltd.

optical GOODS

Raphael's, Ltd.
British Optical Institute, Ltd.

optical GOODS

Spectacle Makers' Company
Hobson, Joseph & Son

optical GOODS

Melrose-Drover Co., Ltd.
Millar, A., & Co., Ltd.

OTTO OF ROSE (SYNTH.)

Crown Chem. Wks.
Wright, Layman & Umney, Ltd.

PALATINOLIDS

Oppenheimer, Son & Co., Ltd.

PATENT AGENT

Barker, R. W.

PHOTO. POSTCARDS

Kajar Ltd.

PACKED GOODS

Allen & Hanbury, Ltd.
 Bales Bros. & Stevenson, Ltd.
 Blackie, Robert
 Boulton, James & Co. (1899)
 Brook, Parker & Co., Ltd.
 Cox, Arthur H., & Co., Ltd.
 Christy, Thos., & Co.
 Davies, Sons & Co.
 Goodall, Backhouse & Co.
 Harker, O. R., Stag & Morgan
 Knox Walker, J., & Co.
 Lloyd T., Howard, & Co.
 Lorimer Marshall
 May, Roberts & Co., Ltd.
 Newball & Mason
 Oldfield, Pattinson & Co.
 Potter & Clarke, Ltd.
 Sangers
 Shirley Bros., Ltd.
 Standard Tablet & Pill Co., Ltd.

PASTILLES

Allen & Hanbury, Ltd.
 Asobe, O. F., & Co.
 Burroughs Wellcome & Co.
 Denoual, J., & Co.
 Evans Sons Lescher & Webb, Ltd.
 Guest, Thos. & Co.
 Valda Pastilles
 Warriok Bros.

PEPPERMINT OIL

Bing, M. & A. O.

PERFUME MATERIALS

Bush, W. J., & Co., Ltd.
 Delvendabl & Kuntzel
 Horner & Sons
 Lautier Fils
 Naef, M., & Co., Sucors.
 Sobimmel & Co.
 Tombarel freres
 Varaldi, F.
 Wright, Layman & Umney, Ltd.
 Zimmermann, C. & Co.

PERFUMES

Allen & Hanbury, Ltd.
 Atkinson, J. & E., Ltd.
 Bales Bros. & Stevenson, Ltd.
 Barclay & Sons, Ltd.
 Bronnley, H., & Co., Ltd.
 Bush, W. J., & Co., Ltd.
 Christy, T., & Co.
 Claber, S., & Co., Ltd.
 Erasmo Co., Ltd.
 Evans Sons Lescher & Webb, Ltd.
 Halifax Co.
 Hewlett, O. J., & Son
 Hovenden, R., & Sons, Ltd.
 Jago & Jerome
 John Strange Winter
 Lesool Perfumery Co.
 McCracken, J. & R.
 Newbery, F., & Sons, Ltd.
 Piver, L. T.
 Quelob, H. C., & Co.
 Rivers, Hill & Co., Ltd.
 Southall Bros. & Barclay Ltd.
 Vinolia Co.
 Warriok Bros.
 West, T., & Son
 Wolf, F., & Sohn

PESSARIES (SOLUBLE)

Burge, Warren & Ridgley, Ltd.
 Rendell, W. J.

PETROLEUM JELLY

Chesebrough Mfg. Co.
 Schlemm's Oil & Ceresine Co.
 Stern, Sonneborn Oil Co., Ltd.

PHOTO. CHEMICALS

Boehringer, C. F., & Soehne
 Griffin, John J., & Sons, Ltd.
 Johnson & Sons (Mfg. Chts.), Ltd.
 Reitmeyer & Co.

PHOTO. GOODS

Barclay & Sons, Ltd.
 Burroughs Wellcome & Co.
 Evans Sons Lescher & Webb, Ltd.
 Express Developing Co.
 Ilford, Ltd.
 Kent, G. B., & Sons, Ltd.
 Lennon, Ltd.
 May, Roberts, & Co., Ltd.
 Newbery, F., & Sons, Ltd.
 Oppenheimer, Son & Co., Ltd.
 Sylva Photo Works

PHOTO. RUBBER GOODS, &c

Altrincham Rubber Co.
 Plastic Models
 Knox, Walker (J.) & Co.

POSTAL BOXES

Robinson & Sons, Ltd.

PLASTERS

Alcock Mfg. Co.
 Berlin, Arthur
 Dalmas, A. de St., & Co.
 Leslies, Ltd.

PILL MAKERS

Allen & Hanbury, Ltd.
 Asobe, O. F., & Co.
 British Drug Houses, Ltd., The
 Cox, A. H., & Co., Ltd.
 Davies, Sons & Co.
 Howards & Sons, Ltd.
 Lloyd, T. Howard, & Co.
 Standard Tablet & Pill Co., Ltd.
 Wand Manfg. Co.
 Wyleys, Ltd.

PLEATED PAPER

Darter, Wilkinson & Co.
 Smith Bros. & Co.

"POISON" BAND

Dowell, John

POLISHES (VARIOUS)

Bradley & Bourdas
 Oakley, J., & Sons, Ltd.

POSTERS

Ford, Shapland & Co.

PRINTERS

Arden Press
 Ford, Shapland & Co.
 Harrison & Waide
 Suttley & Silverlook, Ltd.
 Townsend, J., & Sons

PRINTING PRESS

Paragon Press Co.

PROPRIETARY ARTICLES

Ashton & Parsons, Ltd.
 Barclay & Sons, Ltd.
 Battley & Watts
 Beecham, T.
 Bow's Linament, Ltd.
 Box, W. H.
 British Drug Houses, Ltd., The
 Burgess, E.
 Chameleon Oil Co., Ltd.
 Christy, T., & Co.
 Clark, Cicero S.
 Crimson Cross Dispensary
 Daisy, Ltd.
 Danyss Virus, Ltd.
 Davenport, J. T., Ltd.
 Edwards, W., & Son
 Evans Sons Lescher & Webb, Ltd.
 Faulding, F. H., & Co.
 Fellows' Med. Mfg. Co.
 Fenning, Alfred
 Ferris & Co.
 Fox & Co. (Liverpool), Ltd.
 Freeman's Chlorodyne, Ltd.
 Fulford, C. E., Ltd.
 Goodall, Backhouse & Co.
 Harrison, Geo. W.
 Henry, T. & W.
 Hughes, E. Griffiths
 Iobthyl Gesellschaft
 Kay Bros., Ltd.
 Knowl, S., & Co., Ltd.
 Lalor's Phosphodyne
 Leoibin, Ltd.
 "Lemco" and "Oxo"
 Lofthouse & Saltmer
 "Ln-Ku" Co.

Maackenzie's Cure Depot

Martindale, W.

May, Roberts & Co., Ltd.

Newbery, F., & Sons, Ltd.

Odol Chemical Works

Oppenheimer, Son & Co., Ltd.

Owbridge, W. T., Ltd.

Phillips, Chas. H., Chem. Co.

Resinol Chemical Co.

Richter, C., & Co.

Riedel, J. D., Co.

Sangers

Schimmel & Co.

Scott & Bowne, Ltd.

Smith, Lewis

Squire & Sons

Standard Tablet & Pill Co., Ltd.

Tefras Speciality Co., Ltd.

Thompson & Capper

Tunbridge & Wright

Ucal Works

Urilao Syndicate

Valda Pastilles

Wander, A., Ltd.

Warner Oliver, Ltd.

Warriok Brothers

Wilcox, Jozeau & Co.

Williams, G. M., & Co., Ltd.

Wright, Layman & Umney, Ltd.

Zimmermann, C., & Co.

Puffs

Solport Bros.

Pulverettes

Warriok Bros.

PULVERETTES

Oppenheimer, Son & Co.

PUMPS

Berkeley Filter Co., Ltd.

QUININE AND SALTS

Alliance Drug & Chem. Co.
 Boehringer, C. F., & Soehne
 Burroughs Wellcome & Co.
 Corbyn, Stacey & Co., Ltd.
 Howards & Sons, Ltd.
 Pointet & Girard

RECIPES

Brooks, Tom

RESIN AND RESINOLIDS

Allen, S., & Sons, Ltd.
 Morson, T., & Son
 Ransom, W., & Son
 Smith, T. & H., Ltd.

RENNET

Fullwood, R. J., & Bland
 Oldfield, Pattinson & Co.

RESPIRATORS

Zimmer & Co.

RUBBER GOODS

Berliner, Arthur
 Burge, Warren & Ridgley, Ltd.
 Haywood, J. H., Ltd.
 Le Brasseur Surg. Mfg. Co.,
 Maw, S., Son & Sons
 Surgical Hosiery Co., Ltd.
 Warne, W., & Co., Ltd.

RUBBER STAMPS

Richford, C. D.

SACCHARIN

Saccharin Corporation, Ltd.

SAMPLE CASES

Keane, Thomas

SANITARY TOWELS

Bush, H. W., & Co., Ltd.
 Southall Bros. & Barclay, Ltd.

SANTONIN

Smith, B. A., & Co.

SAPONIN

Field, C. W.

SAUCES

Goodall, Backhouse & Co.

SCALE PREPARATIONS

Morson, T., & Son

SCIENTIFIC APPARATUS

Reynolds & Branson, Ltd.

SEA SALT

Tidman & Son, Ltd.

SEALING MACHINE

Gosheron, John, & Co.

SEEDS

Potter & Clarke, Ltd.

SERUMS AND ANTITOXINS

Allen & Hanbury, Ltd.
 Evans Sons Lescher & Webb, Ltd.
 Parks, Davis & Co.
 Richter, C., & Co.
 Schimmel & Co.
 Wilcox, Jozeau & Co.

SHARES

MoAdam & Tuckniss

SHELLAC

Kershaw, H. E., Ltd.

SHEEP DIPS

Burt, Boulton & Haywood
 Tomlinson & Hayward, Ltd.

SHEEP MEDICINES

Pettifer, Stephen, & Sons

SHOP FITTING

Ayrton-Graham, Ltd.
 Bowling & Son
 Cook, George
 Evans Sons Lescher & Webb, Ltd.
 Grant, D.
 Josephs, Philip & Sons, Ltd.
 London & Colonial Mfg. Co.
 Maw, S., Son & Sons
 Parnall & Sons, Ltd.
 Rudduck & Co.
 Sangers
 Southall Bros. & Barclay, Ltd.

SHOULDER STRAPS

Wood, Vincent

SOAP MATERIALS

Armour & Co., Ltd.

SOAP PLANT

Forsbaw, E., & Son, Ltd.

SODA FOUNTAINS

Flugel & Co.

SODIUM BICARBONATE

Brunner, Mond & Co., Ltd.
 Electrolytic Alkali Co., Ltd.
 Howards & Sons, Ltd.
 Mumford, G. S., & Sons

SPARKLETS

Acrators, Ltd.

SPECTACLES

Botwright & Grey
 Darton, F., & Co.
 Maw, S., Son & Sons
 Nitsche & Gunther Opt. Co., Ltd.
 Raphael's, Ltd.

SOAPS, TOILET, &c.

Allen & Hanbury, Ltd.
 Armour & Co., Ltd.
 Bell, John, Hills & Lucas, Ltd.
 Bronnley, H., & Co., Ltd.
 Calvert, F. C., & Co.
 Chesebrough Mfg. Co.
 Cook, E. & Co., Ltd.
 Erasmo Co., Ltd.
 Evans Sons Lescher & Webb, Ltd.
 Fulford, C. E., Ltd.
 Hendrie & Co.
 Hovenden, R., & Sons, Ltd.
 John Strange Winter
 Lambert Pharmacal Co.
 Lesool Perfumery Co.
 Oakley, J., & Son, Ltd.
 Pears, A. & F., Ltd.
 Peat Products (Sphagnol), Ltd.
 Piver, L. T.
 Price's Patent Candle Co.
 Resinol Chemical Co.
 Vinolia Co., Ltd.
 Wolff, F. & Sohn
 Wright, Layman & Umney, Ltd.

SPICES

Goodall, Backhouse & Co.

SPIRIT OF WINE

Burrough, J., Ltd.
 Preston's Liverpool Distillery

SPITTOON, PORTABLE

Martindale, W.

SPONGE BAGS

Sangers

SPONGES

Internl. Sponge Importers, Ltd.
 Maw, S., Son & Sons
 Sangers

SPRAYS

Burge, Warren & Ridgley, Ltd.
 Burt, Boulton & Haywood, Ltd.
 Hovenden, R., & Sons, Ltd.
 Maw, S., Son & Sons
 Parke, Davis & Co.
 Rogers, Frank A.
 Sangers
 Toogood, Wm., Ltd.

SPRINKLER CORKS

Betts & Co., Ltd.

Brooks, Peel & Co.

SPRUCE BEER

Hobson, Joseph, & Son

STARCH

Mumford, G. S., & Sons
 Wood, Chas. E.

STILLS

Bennett, E., & Son, Ltd.
 Bennett, Sons & Shears, Ltd.
 Braithwaite, H., & Co., Ltd.
 Brown & Son (Automatic)
 Stokes, F. J., Machine Co.

STOPPERS

Fletcher, Fletcher & Co.
 Stipendum Stopper Co.

SUPPOSITORIES

Anglo-Continental Chem. Works
 Cox, Arthur H., & Co., Ltd.
 Peat Products (Sphagnol), Ltd.

SURGICAL APPLIANCES AND DRESSINGS

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 Bwiley, W. H., & Son
 Berliner, Arthur
 Burroughs Wellcome & Co.
 Bush, W. H., & Co., Ltd.
 Dalmas, A. de St., & Co.
 Galen Mfg. Co., Ltd.
 Gimber, F., & Son
 Hatrick, Jas. L., & Co., Ltd.
 Haynes, G., & Co.
 Haywood, J. H., Ltd.
 Liverpool Lint Co.
 Macfarlan, J. F., & Co.
 Martindale, W.
 Mason Bros. & Chapman
 Maw, S., Son & Sons
 Quelob, H. C., & Co.
 Reynolds & Branson, Ltd.
 Robinson & Sons, Ltd.
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 Taylor, W. G.
 Warne, W., & Co., Ltd.
 Wood, Vincent
 Woolley, J., Sons & Co., Ltd.

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 Boehringer, C. H., Sohn
 Hoffmann-La Roche, Ltd.
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 Widenmann Reicher & Co.

Syrups, Medicinal
 Fellows' Med. Mfg. Co.

CYPHONS

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Barnett & Foster
Canwal, Ltd.
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British Drug Houses, Ltd., The
Cartwright, W. B., Ltd.
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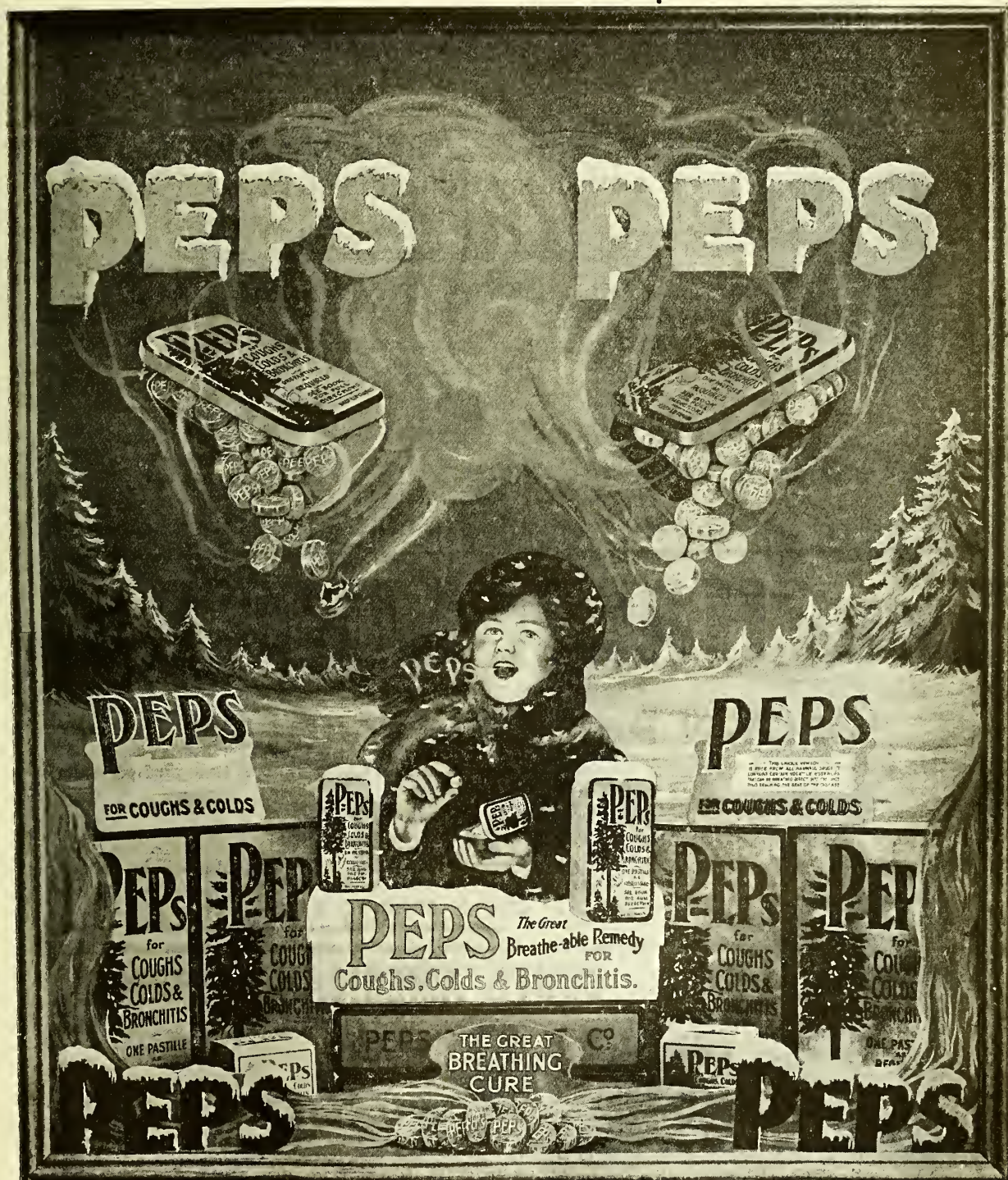
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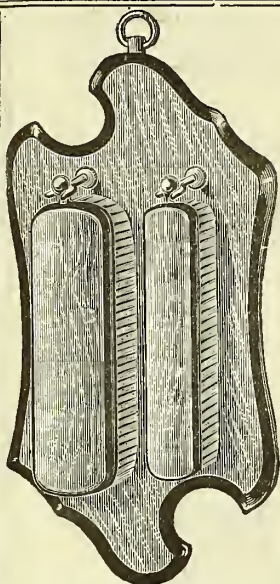
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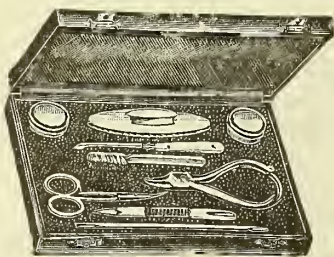
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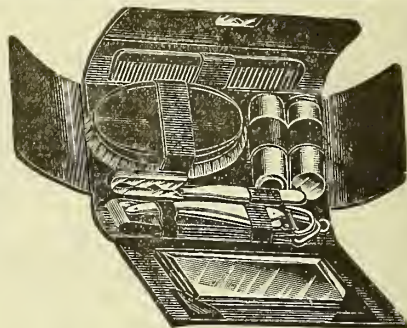
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Its principle is the evolution of oxygen.

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4 dozen given free with 1 gross, thus costing net 4/6 gross.
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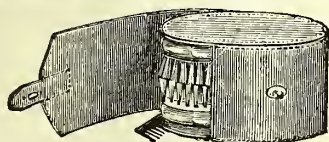
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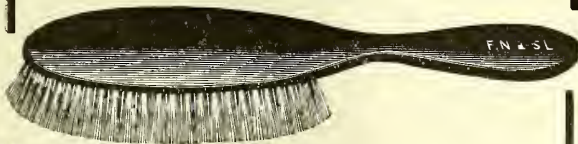
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ON P.A.T.A. LIST. GOOD PROFITS. SMALL STOCK. QUICK SALES.

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What would happen in business without Giving and Getting Receipts



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W. C. KELLY,
GENERAL DEALER,
OLD PARK ROAD,
BELFAST,
GET A RECEIPT.



THIS is a Receipt printed and issued by an up-to-date National Cash Register. There is good advertising matter on the back of it.

It is as much more powerful as a Receipt than any other kind of Receipt, as a sixty horse power motor car compares to a wheelbarrow.

Amounts printed on it are absolutely reliable, are added on the Register in which is a printed duplicate.

This Receipt positively enforces correct details of Cash Sales—Credit Sales—Accounts Received—Bills Paid.

It will relieve the careful Chemist of detail worry, and force the careless one to know about his business.

National Printed Receipts and Registers have put many a shaky business on its feet.

There is no room here to tell all they will do.

Surely no sensible Chemist can refuse the invitation to make more money by learning all about this great business plan.

"Get a Receipt," costs nothing to investigate.

The National Cash Register Co. Ltd.,
225 Tottenham Court Road, London, W.

Telephones
4 (Lines)

{ 14560 Central
14551 "
9670 City
9671 " }

Telegrams: "Nacareco, London."

Coupon Dec. 2nd.
Cut out or copy
The N.C.R. Co., Ltd.,
225 Tottenham Court Road, London, W.
Without committing me to any charge or obligation, please
send your booklet on Receipt-printing "Nationals",
as advertised in
CHEMIST AND DRUGGIST.

Name _____

Address _____



WONDERFUL LINES.
Superior Pattern **ELECTRIC POCKET LAMP** with Bulb and Battery. Price 6/3 dozen. With bulb's-eye lense.
7/6 per doz.



The Wonderful Volex Giant Battery.
4 volts.
Size 7 in. high by 9 in. square will light our 4-volt metal filament bulb for 65 to 85 hours.
Price 3/4. Particulars on application.



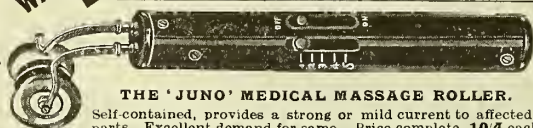
ELECTRIC TORCHES from 10/- doz.
We have just issued a Special Pamphlet on our Mulum and Volex series of Lamps, &c.—free on mentioning paper.



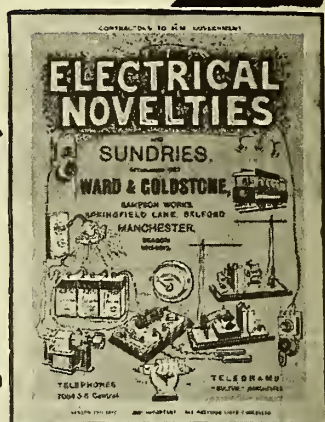
THE 'IMPERIAL' BATTERY
gives best results, most powerful and lasting of all dry batteries.
7/6 dozen.

HAVE YOU CONSIDERED
What excellent and profitable investments are our side lines?
ELECTRIC POCKET LAMPS AND NOVELTIES.
Reliable Goods at Low Prices with Quick Sale. Just the lines for the electric novelty list now. Send for our attractive Novelty Catalogue.
WARD & GOLDSTONE
Salford, Manchester.

Portable Invalid Bells.
Very handy.
Price 6/8

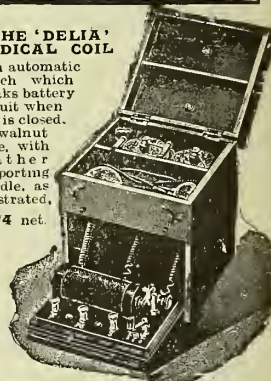


THE 'JUNO' MEDICAL MASSAGE ROLLER.
Self-contained, provides a strong or mild current to affected parts. Excellent demand for same. Price complete, 10/4 each.



THE 'DELIA' MEDICAL COIL

with automatic switch which breaks battery circuit when box is closed. In walnut case, with leather supporting handle, as illustrated.
17/4 net.



Support those who support you. On the P.A.T.A. 40% Minimum Profit.

ORDER

JOHN BOND'S

"CRYSTAL PALACE" MARKING INK

Supplied to the Royal Households, and awarded 45 Gold Medals, &c.

Heat or Non-Heat.	Protected Minimum Price.	Minimum Price to the Retail.	Minimum Price to the Wholesale.
6d. size 1s. "	4d. per bot. 8d. "	2/9 doz. net 5/6 "	30/- gross net 60/- "

100 Years' WORLD WIDE Reputation.

FREE

and enclosed with every 6d. and 1/- Bottle a Voucher entitling purchasers to their name or monogram Rubber stamp with Pad and Brush, also enclosed with enlarged 1/- size a Linen Stretcher and Pen and Holder.

Can also be obtained in Bulk by the Gallon, Pound, or Ounce.

Depot for HENRY BOND'S ORIGINAL INDELIBLE "OAK TREE" HEAT OR NON-HEAT MARKING INK, 75 Southgate Rd., London, N.

HUNTLEY, BOORNE & STEVENS, LTD

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COLOR PRINTERS ON TIN.



MAKERS OF HIGH-CLASS DECORATED & PLAIN TIN BOXES & SPECIALITIES FOR CHEMISTS.

Quotations to samples or descriptions.
CORRESPONDENCE INVITED

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The First Principle of your Business is to Attract the Public and thus Increase your Sales.



—
—
This is done by
attractive
Window
Display.

The Public
appreciate a
well-displayed
Counter.
—
—

The "LONCOL" PATENT ADJUSTABLE SHOW-STAND is a silent salesman and a necessity in every business house where a display is essential. Made in all sizes and any number of tiers. Regulated to any height and yet perfectly rigid. Closes up in own base for purpose of transit.

PARTICULARS ON RECEIPT OF POSTCARD TO

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9 Mildmay Chambers, Union Court, E.C.



Chemists
make neater parcels with
The EMPIRE
Sealing Machine.

¶ Chemists require to make up more small, neat parcels than any other retailer.

¶ The EMPIRE Sealing Machine provides a new wrapping method which is especially suitable for chemists. It seals packets with gummed tape. The tape can be printed with any matter desired.

¶ The EMPIRE method is an attractive, time-saving packing, which is cheaper than string or wax, and which advertises your business at no extra cost.

¶ The new price of The EMPIRE Sealer is only 9/9. Will you test one for Ten Days Free of Charge? Send a postcard to-day asking us to send a machine on Free Trial.

JOHN GOSHERON & CO.,
82-85 Fleet Street, London, E.C.



If you would like your name to appear under the name of the town in which you conduct business, informing the Public where UCAL PROPRIETARIES can be obtained,

—WRITE FOR PARTICULARS.—

UCALITE UCAL WORKS, SHEFFIELD.

*Our New ILLUSTRATED
CATALOGUE is now issued!*

CONTAINS OUR SPECIALITIES:

Rolled Gold Spectacles and
Eyeglasses for Home and
Export Markets.

“En-Gee” Finger-Piece Clips.

“Menisken” Lenses.

“Hallauer” Lenses.

Catalogue sent on receipt of Trade Card.

NITSCHÉ & GUNTHER

Optical Co., Ltd.,

66 Hatton Garden, London, E.C.

No. 7.



Maw's

Page.

Telegraphic Address: "ELEVEN LONDON."

Telephone No.: LONDON WALL 3230 (4 lines).

AN OPTION OF TWO GUARANTEES.

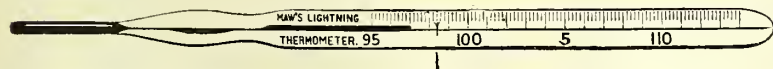
SOME RELIABLE PATTERNS IN
MAW'S PATENT THERMOMETERS.

Maw's "Easy Set," "Bulbous," and "Tapering" Clinical Thermometers each have their respective value both from a remunerative and scientific point of view. With all our Clinicals, Maw's certificates of accuracy are supplied at 6d. each extra, and Kew certificates at 1/2 each extra; an option of two guarantees. Customer's name free on orders for one dozen.



MAW'S "EASY SET."

B3470/B	2-3 minute ...	per doz.	0 11 9
B3471/B	Ditto, magnifying ...	"	0 12 9
B3472/B	60-seconds ...	"	0 16 9
B3473/B	Ditto, magnifying ...	"	1 0 9
B3474/B	30-seconds ...	"	0 19 9
B3475/B	Ditto, magnifying ...	"	1 10 3
B3476/B	"DANGER," with scale above 100° marked in red ...	"	0 12 3
B3477/B	"FAMILY" ...	"	0 11 9
B3478/B	"IMPROVED FAMILY," with scale above 100° marked in red ...	"	0 12 3



MAW'S "BULBOUS" (Non-patent).

B3470/B	2-3 minute ...	per doz.	0 10 6
B3471/B	Ditto, magnifying ...	"	0 12 0
B3472/B	60-seconds ...	"	0 12 0
B3473/B	Ditto, magnifying ...	"	0 14 6
B3474/B	30-seconds ...	"	0 12 6
B3475/B	Ditto, magnifying ...	"	1 0 0



MAW'S "TAPERING VARIETY."

B3470/B	2-3 minute ...	per doz.	0 7 3
B3471/B	Ditto, magnifying ...	"	0 11 0
B3472/B	60-seconds ...	"	0 9 6
B3473/B	Ditto, magnifying ...	"	0 12 3
B3474/B	30-seconds ...	"	0 10 3
B3475/B	Ditto, magnifying ...	"	0 14 3

Each in Nickel Metal Case.

Any of above can be supplied with Ruby Bulb for Fever Cases at an extra cost of 2/6 per dozen.

WHEN ORDERING THE ABOVE, PLEASE MENTION "MAW'S PAGE."

Shall I call in the doctor?

This question can be decided by the possession of a
Clinical Thermometer of a . . .
good make.

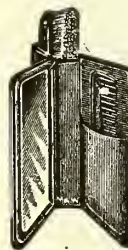
A Clinical Thermometer is a household necessity and those of S. Maw, Son & Sons' make and patent, can be thoroughly relied upon.

Full instructions with each Clinical bearing the name Maw can be obtained at this . . . establishment.



This attractive Showcard, printed in colours (size 8" x 6"), is supplied free with all orders for one dozen of Maw's Thermometers. The answer to the question, "Shall I call in the doctor?" is often solved by the immediate purchase of a Clinical. A card should be on your counter as an experiment.

Xmas Gifts



No. 36/c.

"To give something; not necessarily expensive, not necessarily elaborate; but some little article which, by proving acceptable, shall achieve the giver's aim," is the wish of the average customer when selecting Xmas presents.

The Pharmacist can profitably meet this sentiment with a display of Toilet Cases. Fig. 36/c comprises a serviceable Mirror, Comb, and Moustache Brush in Green Leather Case. Per doz., 8/6. Fig. 2511/s comprises a strong Bone-back Brush and White Horn Comb in Grey Suede Purse. Per doz., 15/-. (Selected from Maw's New List, page 483.)

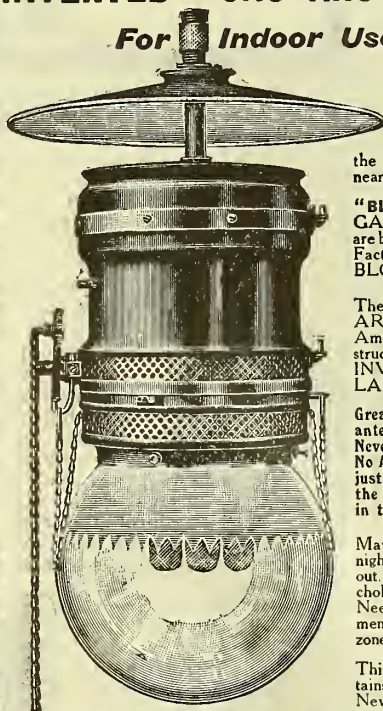


No. 2511/s.

7/2.12.11.

14th
Edition**THE EXTRA PHARMACOPOEIA**14th
EditionBy **MARTINDALE & WESTCOTT.**

Completely revised, Enlarged, and in great part rewritten.

Price 12s. net, post free 12s. 4d. (abroad 12s. 6d.). With Supplement.
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at advantageous
terms by theHamburg Glycerine Manufactory,
HERMANN MEFFERT & CO.
Hamburg 5.**AGAIN AHEAD—
BLOCK
INVERTED GAS ARC LAMPS***For Indoor Use.*"BLOCK" stands
for advancement in
lighting facilities,
and has now brought
the GAS ARC LAMP
nearer perfection."BLOCK" INVERTED
GAS ARC LAMPS
are built in the "BLOCK"
Factory. They are ALL
BLOCK—real BLOCK.The most expert GAS
ARC LAMP Maker in
America directs the con-
struction of "BLOCK"
INVERTED ARC
LAMPS.Great Candle Power. Guar-
anteed to use Less Gas.
Never Carbonise. Require
No Attention. Easily Ad-
justed. For Gas Companies
the Most Economical Lamp
in the World to Maintain.May be turned down for
night light. No parts to burn
out. Pilot Light cannot
choke. Stop Cock and
Needle Burner Adjust-
ments are all outside the
zone of heat.This New Catalogue con-
tains all that is Best and
Newest in Gas Lighting:"BLOCK" Mantles. "BLOCK" Burners.
"BLOCK" Arc Gas Lamps and "CRAB" Patent Novelties.

1911-12 Catalogue ready—send for it NOW.

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29 Milk Street, MANCHESTER.Manufacturers of the "BLOCK" "STANDARD" MANTLES.
*World-renowned***ZEAL'S PATENT
CLINICAL THERMOMETER
The "REPELLO"**

Requires no shaking down.

**A 30-Second Pushed back in
an instant. Guaranteed Accurate.**Good Selling
Lines for
Chemists.

Send for list, post free.

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Wholesale Manufacturer of

CLINICAL THERMOMETERS.

A SELECTION OF 50 KINDS.

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**For Chemists and
Drug Stores.**You will now be preparing your
Winter Specialities and wonder-
ing how to advertise the same.
You cannot do better than write
to us for samples of our adver-
tising matter for Coughs, Colds,
Lung Complaints, Rheumatism,
&c. We shall have them ready
by September 30th, 1911.

SEND 6D. FOR SAMPLES.

Samples sent to Colonies on receipt of 10/6, which
amount we credit for a £5 order.**HARRISON & WAIDE**

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A VERY USEFUL AND ATTRACTIVE NOVELTY.

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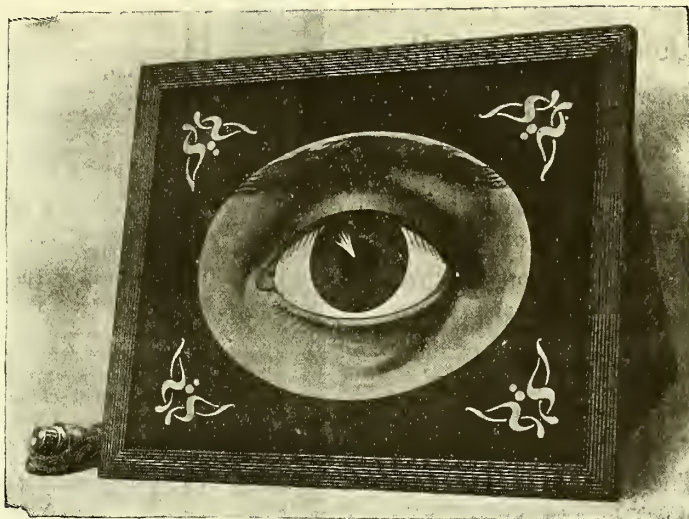
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For Grimy Hands, for Pots and Pans.

A Dainty Paste in Handsome Tins.

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WONDERFULLY USEFUL IN THE HOUSEHOLD.

10/-

Special introductory Parcel to retail at 15/-, with free samples. Showcards and printed matter bearing your name.

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STIPENDUM CORK STOPPERS

In all sizes suitable for
KALIS, CITRATES,
DISPENSING, and all
FLUIDS.

STIPENDUM COVERED POTS

THE BEST FOR FACE AND TOOTH POWDERS,
PASTES, AND OINTMENTS.
GREASE PROOF.

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GERRARD.

H. E. KERSHAW, Ltd.

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IMPORTERS OF

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Of all kinds.

Manufacturers of

WHITE SHELLAC

CLINICAL THERMOMETERS.

Best Quality at Lowest Prices

WRITE FOR PRICE LIST.
40 DIFFERENT KINDS.

Special Quotations to Wholesale Buyers

THE

"MATER"

LENS FRONT (Regd.)

CLINICAL THERMOMETER.

P.A.T.A.

MERCURY COLUMN SEEN AT A GLANCE.

Made in Two Rapidities, 1 Minute and $\frac{1}{2}$ Minute.

New Price List of Thermometers for
every purpose, post free.

PERKEN, SON & CO. LTD.

ESTABLISHED 1852.

Contractors to H.M. Government,
99 Hatton Garden, LONDON.



LISTERINE

The Popular American Antiseptic.

A non-toxic antiseptic of known and definite power prepared in a form convenient for immediate use; of ready dilution, slightly, pleasant, and sufficiently powerful for all purposes of asepsis—these are advantages which Listerine embodies.

The success of Listerine is based upon merit, and the best advertisement of Listerine is—Listerine.

LISTERINE DERMATIC SOAP

Designed to meet the most exacting requirements of a saponaceous detergent for use in the antiseptic treatment of diseases of the skin. No animal fats, and only the best vegetable oils enter into its composition, and of these it contains a surplus, "superfatted." It is a bland, unirritating and remarkably efficient soap.

LISTERINE TOOTH POWDER

This powder is not intended to supplant Listerine in the daily toilet of the teeth, but is offered in response to the demand for a frictionary dentifrice to be used in conjunction with this well-known and time-tried antiseptic.

Listerine Tooth Powder, like Listerine, will advertise itself by its intrinsic merit.

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POSTAL BOX?

CONVINCING
PROOF
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MERITS.

Its Sales are going up by leaps and bounds.
Is used by nearly all the leading Wholesale
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TESTIMONIAL
POSSIBLE.

What it is doing for them it can do for you. It will save you time,
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Spectacle Manufacturers in Gold, Steel, and Nickel.

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The following Lists
Free on receipt of
trade card:—

Spectacles and
General Optics

Opera and
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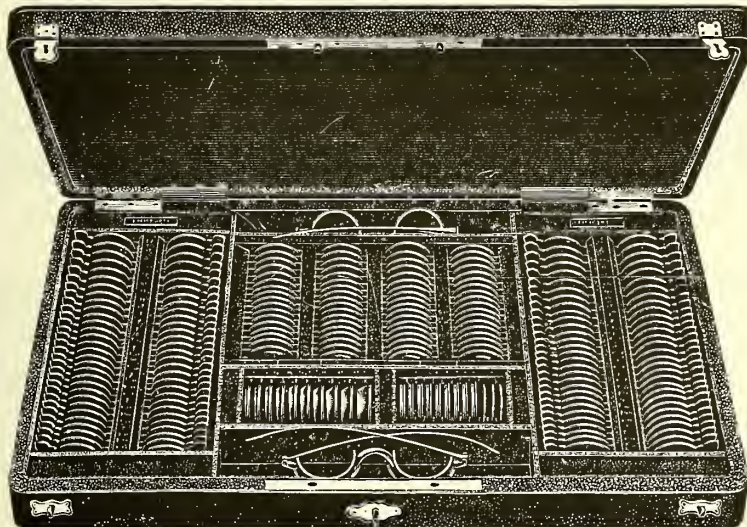
Electric
Apparatus
including

Flash Lamps,
Small Motors
and Dynamos,

Shocking
Coils, &c.

Aneroid and
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Thermometers



(STANDARD TRIAL CASE.)

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SPECIAL
ATTENTION
GIVEN
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Department.

REPAIRS BY
RETURN OF POST

Oculists'
Prescriptions
correctly and
expeditiously
fitted.

A Large Selection of all kinds of Apparatus necessary for Eye Testing.

Telephone No. 1891 Central.

ESTABLISHED 1834.

Telegraphic Address: "Exceptional."

*It will pay you
to write for New
Information on
Our Selling Plan*

Cod Liver Oil Emulsion (33%)

This EMULSION has established itself through the work of many seasons past, and your own interest will be the more quickly repaid in consequence.

A Midland chemist writes as follows:—

"The advisability of selling well known BRANDED lines, on which profits are protected, rather than one of 'your own make' (a damning factor when selling to the public) having appeared to me from experience, and the reasoning of your own 'Pharmaceutical Notes' to be the better plan, I determined this winter to cut out the 'my-name' Emulsion we have hitherto sold, and push the 33% P., D. & Co. Emulsion."

This chemist gave practical evidence of his belief in the soundness of his argument by sending us the order for his winter stock of Emulsion.

Parke, Davis & Co. 50, Beak Street,
Regent Street, W.

Laboratories: Hounslow, Mx.; Detroit, Mich., U.S.A.; Walkerville, Canada.

**Misplaced Energy
Always means
Reduced Profits**

**Due prominence for the
P., D. & Co. Emulsion will
bring you better profits**

MARTINDALE'S PORTABLE SPITTOON

(New Model).

For Phthisical Sufferers.



RETAIL PRICE

10/6

Special rates for quantity
on application.

Special Features : **The Spittoon**

is made THROUGHOUT of
Polished White Metal
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Stout Rubber Washer.

Cannot leak or break, will last a life-
time with reasonable care.

Is not unsightly in appearance.

Takes apart completely for cleaning.

British manufacture throughout.

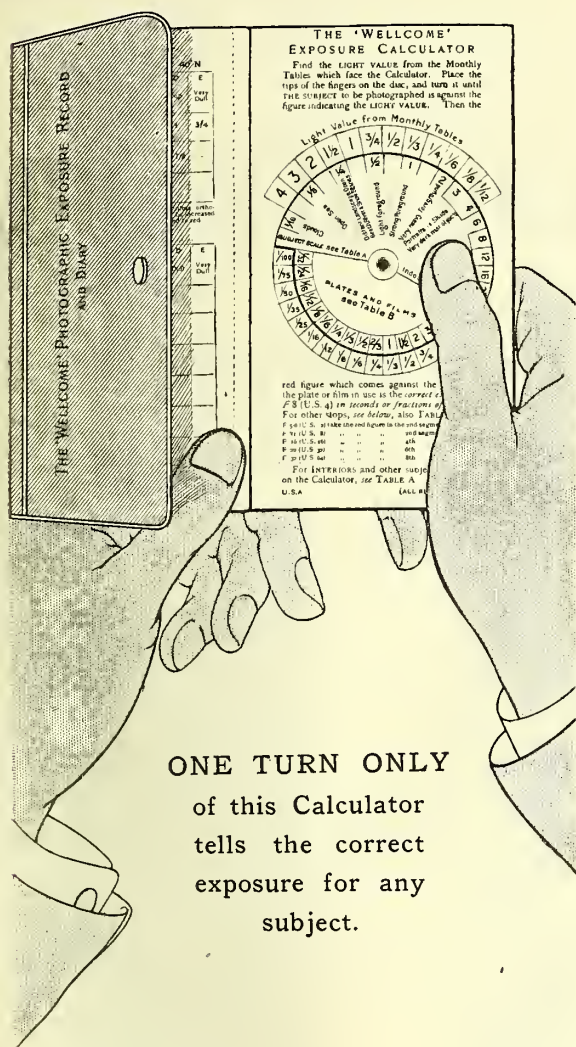
W. MARTINDALE,

Manufacturing Chemist,

10 NEW CAVENDISH STREET, LONDON, W.

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Telegraphic Address :—" MARTINDALE, CHEMIST, LONDON."



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tells the correct
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Supplied to the trade at 12/0 per dozen,
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Keep a copy handy, ready to introduce it to every photographic customer. Point to the list of contents and then turn to the 'Wellcome' Exposure Calculator which is attached to the inside of the back cover.

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 "PAR EXCELLENCE"
EMULSION OF COD LIVER OIL

is now offered in
NINE DIFFERENT STYLES

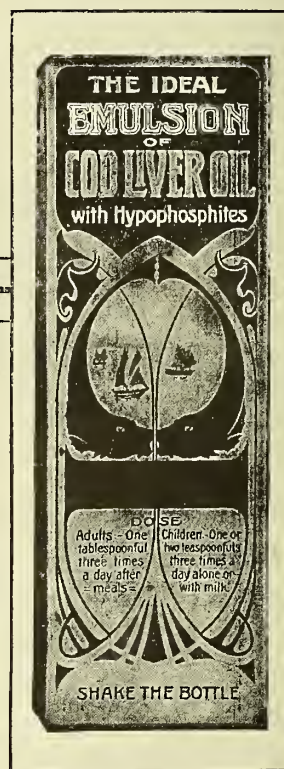
thus enabling each Pharmacist to secure the monopoly of one
 in his own neighbourhood.



No. 5.



No. 6.



No. 7.

Emulsified by the most efficient mechanical contrivance yet designed, the
"Par Excellence" Emulsion is a "Perfect Cream." It cannot separate.

A sample bottle, carton, and attractive card free on application to

THE BRITISH DRUG HOUSES, Limited,
 22 to 30 Graham Street, London, N.



A Weekly Journal of the Chemical and Drug Trades
and of
British Pharmacists throughout the Empire,
ESTABLISHED 1859.

The CHEMIST AND DRUGGIST is the leading journal addressing the chemical and drug trades of the British Empire. It is adopted as an official journal by nineteen Chemists' Societies in Australia, Ireland, New Zealand, South Africa and the West Indies, and its paid-in-advance circulation in Great Britain and all Countries having business relations with the British Empire is intrinsically and numerically unique.

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Ten shillings a year in advance, post free to any part of the world, including a copy of *The Chemist and Druggist's Diary* next published. Subscriptions may begin any month. Single copy, 6d.; Summer or Winter Number, 1s.; *Diary*, 5s. 6d. Postal orders and cheques to be crossed "Martin's Bank (Limited)."

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Telegrams: "Chemicus London." Telephone 852 Bank (two lines).

Branches: ADELAIDE, MELBOURNE, AND SYDNEY, AUST.

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ARTISTIC ORIGINALITY

Is a great feature in present-day advertising. Business-men are now convinced that effective and persistent publicity is one of the most important factors in commercial success in these modern times. Many advertising firms in the drug-trade produce handsome circulars and illustrated price-lists of their own. Provided these are the size of THE CHEMIST AND DRUGGIST page (printed matter 9 in. by 6½ in.), they may be distributed to a selected circulation of 12,000 directly interested traders by means of

INSETS.

The next opportunity for doing this is afforded in the Winter Issue of THE CHEMIST AND DRUGGIST, to be published on January 27, 1912. Write to the Publisher, 42 Cannon Street, London, E.C., for further particulars and advice as to the production of suitable insets.

Summary of this Issue.

The more notable items only are dealt with.

Articles and Communications.

Some more formulas which are proposed for the "National Formulary" are printed on p. 46.

We report the memorial lecture on Berthelot as delivered by Dr. Dixon to the Chemical Society last week, giving a portrait of the famous Frenchman in his laboratory (p. 53).

In view of the present activity of the Board of Customs and Excise regarding the sale of dutiable medicines, we discuss several difficulties which have recently arisen (pp. 48-49).

The War Office has issued a circular-letter extending to August 18, 1915, use in trade of the red cross. The impression is that this refers to any use, but we point out that the letter refers only to registered trade-marks (p. 50).

The price of spirit is being forced up in Germany consequent upon the action of the "Centrale" ring (p. 49). In an article on p. 51 an expert on this subject discusses the position in the United Kingdom, stating that the differential duties have smothered competition.

National Insurance Bill.

The Medical Benefit clause has been much amended as regards the supply of drugs, medicines, and appliances. We print it on p. 43 as altered by the Government amendments. Any person, firm, or corporate body may be put on local lists for such supply, but registered chemists, firms, and pharmacy companies only may dispense medicines, subject to the Insurance Commissioners sanctioning doctors so doing in exceptional circumstances.

The compromise as regards the unqualified has been effected with difficulty, and finally through political or party expediency (p. 50).

Correspondents call for something else to be done by registered chemists (p. 63), but, in view of a statement by Mr. Rymer Young (p. 58), we point out the chief difficulty of action independent of the Pharmaceutical Society (p. 50).

The medical men's demands are in a fair way to settlement, but it is officially stated that the reported satisfaction of doctors is incorrect (p. 44).

General News.

Particulars of the will of Alderman Robert Gibson are given on p. 41.

A new Australian regulation in regard to industrial spirits is notified on p. 37.

An interesting photograph of Sir John Brunner and Sir Edward Evans together is reproduced on p. 42.

The General Medical Council is holding its autumn session this week, and we report the proceedings, including a statement about the British Pharmacopoeia (p. 55).

Messrs. Brunner, Mond & Co., Ltd., have acquired the soap businesses of Messrs. John Crosfield & Sons, Ltd., and W. Gossage & Sons, Ltd., on the terms reported on p. 34.

A Morecambe patent-medicine vendor has been fined under the Medicine-stamp Act for selling a known, admitted, and approved remedy unstamped. This and two other cases are reported on p. 38.

The use of lactic ferments medicinally and the testing of disinfectants were among the subjects discussed by Dr. David Ellis in his inaugural address to the North British Branch of the Pharmaceutical Society (p. 52).

The activity of chemists' associations throughout Great Britain is well exemplified in the numerous reports of meetings which begin on p. 56, being prefaced with a portrait and biography of Mr. E. M. Marsh, the new President of the Scarborough Association.

Trade and Market Matters.

A summary of the report of the Java Government Cinchona Plantations for the third quarter of 1911 will be found on p. 62.

Rather more activity has characterised the drug and chemical markets, the chief movements being an advance in codeine and salts, carbolic acid, copper sulphate, menthol (c.i.f.). New lemon, bergamot, and orange oils are all dearer. Ammonia sulphate, burdock, lemon-juice, cod-liver oil, shellac, and clove oil are cheaper (p. 59).

B

ENGLISH AND WELSH NEWS.

When sending newspapers to the Editor please mark the items of news to which you desire to call his attention.

Brevities.

The damage caused during the suffragist riots in London on November 21 at Messrs. Heppell's pharmacy in the Strand is placed at 35l.

In the Corner for Students' report in our issue of November 25 the marks awarded to "G. A. S., Leeds," should have been forty-eight, not thirty-eight.

Poison-licences have been applied for by Mr. Edward Evans, general merchant, Talybont (from Cardiganshire C.C.), Mr. M. H. Coulson and Mr. E. Fidler, both of Haltwhistle, and Mr. Walter Hall, of Wooler (Northumberland C.C.).

A plate-glass window was smashed on November 27 at the branch of Timothy White Co., Ltd., corner of High Street and St. James's Street, Newport (I.W.), by the bursting of a bottle in the window.

In the final round of the London Chemists' Golfing Society for the President's Cup, Mr. G. Deeth beat Mr. W. Gray by 4 and 3. The entries, thirty-six in number, is a record. The present holder is Mr. T. W. Theakston.

"The North-Eastern Daily Gazette," Middlesbrough, has organised a 50,000-shilling fund to commemorate the services rendered to the town by the late Sir Samuel Sadler. Nearly 30,000 shillings have already been subscribed.

Some cottonwool became ignited on November 25 in a store-room above the pharmacy of Mr. H. P. Hearder, chemist and druggist, 26 Westwell Street, Plymouth. Fortunately the flames were quickly subdued, and very little damage was done.

The National Cash Register Co., Ltd., were fined 40s., with 2l. 2s. costs, at Bow Street Police Court, London, on November 27, for obstructing the highway in consequence of their interesting window-display in Tottenham Court Road (C. & D., November 18, index folio 743).

The promoters of the movement to erect a memorial to Dr. Joseph Priestley in his native town, Birstall, are appealing for the fund. Of the 1,000l. required, 450l. has been raised. The Hon. Treasurer of the fund is Mr. W. Bagshaw, Moorfield House, Birkenshaw, Bradford.

At a meeting of the delegates from the ninety-three London branches of the National Amalgamated Union of Shop Assistants, Warehousemen, and Clerks, held on November 19, a minimum wage-table for the London district was agreed upon. For chemists' assistants, unqualified, the minimum is placed at 35s.

Mr. D. A. Bryan, chemist and druggist, 7 Eign Street, Hereford, was called upon to administer an antidote for corrosive poisoning to a domestic servant, named Farr, on November 21. The girl was later removed to hospital, and owing to the prompt treatment her progress towards recovery is very satisfactory.

A Blue-book has been issued relating to the import duties levied upon articles imported into the British Self-governing Dominions, Crown Colonies, Possessions, and Protectorates. The various sections of the work include the duties on chemicals (extending to twelve pages), paints, colours, and varnishes (eight pages), dyeing and tanning materials (five pages), and oils, fats, resins, etc. (sixty-two pages). The Return [Cd. 5926] is obtainable at Wyman & Sons, Ltd., for 3s.

At an inquest held at Battersea on a six-year-old boy named Frederick Hunt, it was stated that deceased had been given doses of a proprietary cough-mixture. The Coroner (Mr. J. Troutbeck), after pointing out that the label declared that if the mixture failed no other medicine could succeed, said to the father, "Patent medicines are very dangerous things, and you ought not to use them." He addressed the jury on the anomaly of the law allowing patent medicines bearing such advertisements to be sold. A verdict of death from natural causes was returned.

Brunner, Mond & Co., Ltd.

It is officially announced that Brunner, Mond & Co., Ltd., the well-known chemical manufacturers, have acquired complete and entire control of the immense soap-manufacturing concerns of Joseph Crosfield & Sons, Ltd., Warrington, and W. Gossage & Sons, Ltd., Widnes. The arrangement came into immediate effect. It is understood that Messrs. Brunner, Mond & Co. have acquired control of these businesses by an exchange of shares. Both concerns will be carried on with the same methods and names as hitherto. The firm of Crosfield & Sons has been in existence for over a century, and the business of Gossage & Sons was founded about sixty years ago. The firm of Brunner, Mond & Co., which was established in 1873 by Sir John Brunner and the late Dr. Ludwig Mond, is said to be the largest chemical-manufacturing concern in the world. The "Manchester Guardian" says the deal will necessitate an increase in the authorised capital of Brunner, Mond & Co. At present this is 3,000,000l., but only 2,789,650l. has been issued. The latter amount consists of 1,962,870l. in ordinary shares of 1l. and 826,780l. in 7 per cent. cumulative preference shares. At an early date a meeting of the shareholders will be held to sanction the issue of the further shares required, which, of course, will be a considerable number. The company has within the last few days announced an interim dividend at the rate of 25 per cent. per annum on the ordinary shares, free of tax. For each of the last three full years it has paid 27½ per cent., for two years before that 30 per cent., and for previous years even more. In 1910-11 the net profit was 760,499l., in 1909-10 738,419l., and in 1908-9 700,130l. In each of these years 150,000l. was put to the suspense account.

Birmingham Notes.

The "Birmingham Mail" of November 25 contains the following advertisement: "Chemists' recipe 1s., cod-liver oil emulsion with hypophosphites; pint costs 6d.; easily prepared at home. 837 H., 'Daily Mail.'"

It is not generally known that Handsworth has its curative well, but there is one in the grounds of Brampton House, the residence of Dr. Chaundy, which is to come down. Medicinal virtues are attributed to the water, especially for bathing bad legs.

Charles Lewis (27) fell a distance of thirty feet through a glass roof while cleaning windows at Messrs. Southall Bros. & Barclay's Dalton Street premises. He died later in the General Hospital. At the inquest last Monday the verdict found was "Accidental death."

The pharmacist had suggested a host of vermin-killers and insecticides, but no! no! said the old hand, he had greater faith in cucumber peel! The chemist now wonders what is the special merit of this article, and whether p. coloc., which is also cucurbitaceous, would do as well.

Hagley Road, hitherto served by omnibus, is to have trams running along it if Parliament concurs. This should greatly enhance pharmacy round about the Ivy Bush, where there are two chemists almost next door to each other, and at the Fountain, where, again, there are three modern chemist establishments in a very small area.

Nottingham Explosion.

A mysterious explosion partially wrecked the Albert Hotel, Derby Road, in the early morning of November 26. The pavement and about half the roadway for 40 ft. in front of the hotel was torn up by the explosion, leaving a trench about 15 ft. deep. The hall and front of the hotel were badly damaged. Seven persons were detained in hospital owing to injuries. The first indication of the trouble was noticed just after midnight by Mr. S. H. Platin, chemist and druggist, whose pharmacy at 10 Derby Road is separated from the hotel by the width of Globe Street. Mr. Platin, on detecting the smell of burning bitumen, telephoned to the Fire Brigade and Electricity Department. He then alarmed the inmates of the hotel, and was still there in the hall when the explosion occurred. He says he felt himself lifted into the air, and remembered dropping, but nothing further until he found himself among a heap of rubbish. He made his escape by climbing along a beam through a cellar opening into Globe Street. Mr. Platin, besides suffering from shock, sustained a cut on the face and a bruised hip. Mr. Platin's pharmacy

suffered severely from the explosion. Every window on the near side of the house was destroyed. The front-shop window was unbroken, but three carboys were smashed, deluging the window-enclosure. The Globe Street wall of the premises was pitted and chipped, while the side door in that street had the panels splintered, the lock broken off, and a piece of glass embedded in the brass plate on the door. The drawing-room above was strewn with broken glass, ornaments being smashed and pictures damaged. Our local correspondent states that when he saw Mr. Platten on the following morning he seemed very little worse for his exciting adventure. He was considerably shaken, but had received no serious injury. He, however, sincerely hopes that he may never have another such experience. The injured are progressing favourably. The cause of the explosion is at present unexplained.

Contracts.

London County Council.—For first-aid and nursing appliances:—Mr. Arthur Berliner, 24*l*.; Hospitals and General Contracts Co., Ltd., 112*l*.; May & Baker, Ltd., 15*l*.; S. Maw, Son & Sons, 14*l*.; Robinson & Sons, Ltd., 77*l*. For soda, soda ash, alumina sulphate, calcium carbide, etc.: Imperial Light, Ltd., 140*l*.; Luke & Bailey, 155*l*.; Middleton Bros., 41*l*.; J. Salmon & Son, 247*l*.; Peter Spence & Sons, Manchester, 23*l*.

The Devonport Guardians adopted on November 24 a recommendation from the Infirmary Committee that tuberculin and antitoxin be supplied to the medical officer of the workhouse, in addition to other expensive drugs already supplied him. Mr. E. D. Court, L.G.B. inspector, who was present at the meeting, interposed in the discussion stating that the Local Government Board have always recommended that in the case of change of appointment of medical officers of workhouses all drugs, not only expensive ones, should be found by the Guardians.

Football.

Inter-Pharmacy Football League.—Westminster College F.C. v. Square F.C.—This match was played at Wormholt Farm on November 25. Westminster, playing with the wind, forced the game at first, and Hemmingway opened the scoring on their behalf. This roused the Square men, and Ireland equalised from a neat centre. Both teams worked hard to get the lead, which came to the Westminster through Hemmingway. After the interval, the Square team made things warm for the Westminster defence, but their forwards failed to make the most of their chances. Westminster added another from a breakaway, Hemmingway completing his hat-trick. A penalty awarded Westminster was well saved by the Square custodian. The Square fell off towards the end, and Hemmingway and Diamond added to the Westminster score. A pleasant game ended with the scores: Westminster, 5 goals; Square, 1 goal.

From Various Courts.

At Derby on November 24, Alexander W. Stewart was sentenced to twenty-one days' hard labour for obtaining 2*s*. 6*d*. by false pretences from Mr. James Gelsthorpe, chemist and druggist, of High Street, Long Eaton, in his capacity as almoner of the Fairfield Lodge of Freemasons.

At Manchester Assizes on November 20, Geo. Wm. James was sent to a Borstal Institution for two years and Frederick Bent was sentenced to six months' imprisonment for shop-breaking at Swinton. The thefts included 30*s*. from the pharmacy of Mr. E. Yates, chemist and druggist, of 159 Chorley Road.

At the North London Police Court on November 29, James Symon (41), Gertrude Brett (32), and Barend Machiel Winkel (39) were committed for trial in connection with an alleged illegal operation on Beatrice Gregg (*C. & D.*, November 4, index folio 666). Dr. W. H. Wilcox, Home Office analyst, gave evidence as to the analysis of certain pills found at Gregg's home.

At Maidstone Police Court on November 21, George Downer, commercial traveller, was committed for trial on a charge of embezzling three sums of money which he had collected on behalf of his employer, Mr. F. J. Oliver, chemist and druggist, Bank Street, Maidstone. During the evidence it was stated that accused had entered into an

agreement to pay off a deficit of 197*l*., discovered about a year ago, by payments of 1*l*. weekly. Bail was allowed in the sum of 20*l*.

IRISH NEWS.

When sending newspapers to the Editor please mark the items of news to which you desire to call his attention.

Brevities.

Robert Douglas, who described himself as a chemist, was at Dundalk on November 24 sent to prison for a week on a charge of vagrancy.

Mr. William Sinclair Taylor, Ph.C., Enniskillen, has taken over the pharmacy of Dr. J. Tiernan in that town, and intends to run it as a branch of his Darling Street pharmacy.

A fire caused considerable damage on November 24, at Coleraine, on the premises of Sir William Baxter, President of the Pharmaceutical Society of Ireland. The damage, estimated at 1,500*l*., is not covered by insurance.

The Law and Finance Committee of the Cork Corporation sanctioned a payment of 1*l*. 5*s*. 6*d*. for chloroform obtained from Mr. P. J. Fielding, Ph.C. In the discussion it was explained that the chloroform is employed in the lethal chamber at the dogs' home.

The transfer of Dr. McKenna from Donnybrook Dispensary to the Irishtown Dispensary suggested by the Local Government Board (see *C. & D.*, November 18, index folio 734) was the subject of debate at the last meeting of the South Dublin Board of Guardians. One of the Guardians has given notice of motion to rescind the resolution passed to effect the transfer. Another resolution asks the Local Government Board to keep the question of transfer in abeyance until a vacancy occurs in one of the other dispensary pharmacies.

At 15 Nassau Street, Dublin, on November 21, Mr. J. A. Ray, Ph.C., was, on the occasion of his marriage, presented by his past and present pupils with a marble drawing-room clock, suitably inscribed. Mr. Hawthorne made the presentation, and referred to the help which he had received from Mr. Ray when reading for the Licence examination. Mr. Cohen spoke in similar terms, as did Messrs. Cooper and Nugent. Mr. Ray thanked those present, and remarked that he should find the clock very useful in starting the classes in time.

SCOTTISH NEWS.

When sending newspapers to the Editor please mark the items of news to which you desire to call his attention.

Brevities.

A meeting of Leith chemists' assistants and apprentices is to be held this week, to consider the question, says the circular, of earlier closing.

Mr. G. Forbes Johnston, chemist and druggist, Broughty Ferry, has issued a special list of greeting and Christmas sachets, which is nicely illustrated and calculated to interest the receiver.

Mr. M. F. Thompson, chemist and druggist, 17 Gordon Street, Glasgow, has published a fine card calendar, the feature of which is a reproduction in colours of "The Sisters," by Mr. J. Ross Bryson, an American pastel artist.

Mr. Charles Duncan, chemist and druggist, has acquired the City Pharmacy of the late Mr. Charles Kerr, Ph.C., 56 Nethergate, Dundee. Mr. Duncan served his apprenticeship in Dundee, and subsequently had experience in Glasgow and Oban. He is to continue the business under the name of "Charles Kerr."

Edinburgh chemists are being warned by the police that a man who was "working" the district early this year is at the same game again. He usually presents a forged note, duly signed, and apparently in order, promising that payment will follow shortly. Jubilee sixpenny-pieces also, got up to resemble half-sovereigns, have been encountered once or twice lately.

FRENCH NEWS.

(From the "C. & D." Paris Correspondent.)

PROFESSOR LANGEVIN IN A DUEL.—A duel with pistols was arranged to take place in Paris last Saturday morning between Professor Langevin, the eminent chemist, and M. Gustave Téry, a prominent Parisian journalist. When, however, the opponents met on the field of combat M. Téry declined to fire on his adversary on the ground that he had too much respect for his scientific attainments. On the other hand, the Professor declined to take first shot. As a result, the seconds met and drew up a statement embodying the above facts, and the would-be combatants took their departure, but without being reconciled. MM. Haller and Paul Painlevé, of the French Institute, acted for M. Téry. The recent Curie episode was the cause of the quarrel, and followed two previous duels in the same connection.

THE PROGRESS OF SCIENCE.—Like many of us, a Parisian journalist has noticed in pharmacy windows lately a salve advertisement—two life-size models of hands, one "before use"—red and chilblained; the other, "after use," white and fair. "So far," he remarks, "there is nothing extraordinary, but what is curious is that the hand 'after use' wears a golden ring. Thousands of salves have been manufactured, of astonishing virtues, assuring lily complexions, bright starry eyes, soft skin, even the waist of sylphs and the bust of Venus, but never, up to the present, a pomade which made gold rings grow on the fingers. No doubt a second pot makes a precious stone grow on the ring, and the third—who knows—brings out the hall-mark!" But possibly the delicate suggestion is that the pomade leads to the golden ring of matrimony by producing attractive hands.

ARMY PHARMACISTS' EXPERIENCE.—M. Bolland, ex-principal pharmacist of the French Army, publishes in a French pharmaceutical magazine his "Brief notes on some products presented to the Ministry of War between 1889 and 1905." The list is interesting as showing the wide range of products over which the French Army pharmacist exercises vigilance, as well as the fertility of the inventor's imagination. Powders and liquids for washing linen, solidified alcohol and petroleum for camp fires, insecticides for barrack use, polishing pastes for arms, blacking and waterproof products for boots are a few of the items. M. Bolland's notes are curt and military, *e.g.* :

"INSECT POWDER.—Mixture of pellitory and chamomile powder."

"LIQUID FOR POLISHING ARMS.—Ordinary paraffin." "For preserving the seams of boots: coal-tar."

"GREASE FOR WATERPROOFING BOOTS.—Partially saponifiable grease derived from wool-fat. No water or mineral matter."

ARTIFICIAL MINERAL WATERS, ETC.—The formulæ of the principal mineral waters were given in the French Codex until 1884, and pharmacists might thus legally prepare them artificially, the only stipulation being that they should be labelled as having been so prepared. After that year the Codex compilers considered that, in view of the improved facilities of transit, natural mineral waters were now within the reach of all, and also that they contained living organisms which might be considered as their active ingredient, and which did not exist in the synthetic waters. Many French pharmacists have, however, continued to offer artificial mineral waters, as well as powders and tablets which are supposed to reproduce waters of certain well-known mineral springs. Criticisms appeared in the trade journals, but the practice continued, and, as reported in the *C. & D.* at the time, in 1910 several mineral-water companies sued a pharmacist, who was condemned to pay 200*l.* damages. It is fair to add that he has appealed to a higher Court, which has not yet given judgment. Other prosecutions in the same connection have also taken place. In a recent case the proprietor of the Vittel springs sued a Parisian pharmacist for using the name of Vittel on packets of salts which he prepared. The pharmacist protested, and claimed 2,000*l.* damages for malicious prosecution. The Court dismissed the case.

INDIA AND THE EAST.

(From the "C. & D." Correspondents.)

JAPANESE SULPHUR.—The Japanese Trade Association in Tokyo has petitioned the Foreign Office and the Department of Agriculture and Commerce, urging the authorities to approach the Washington Government with a proposal to abolish the import-duty on Japanese sulphur.

THE OPIUM CONFERENCE.—Dr. H. Nishizaki, Chief of the Yokohama Hygienic Laboratory of the Home Office, and Dr. T. Takaki (who represented Japan in the first Shanghai Conference) will be among Japanese delegates at the forthcoming Opium Conference at The Hague.

COCAINE IN BURMA.—In the latest report on the administration of the Excise Department of Burma it is stated that the cocaine habit is spreading in the province. Cocaine is not taken merely as a substitute for opium. In industrial centres women have taken to the drug. The morphia habit is also on the increase, and all attempts to check the growth of the evil have failed.

A TECHNICAL OFFENCE.—At the Hong-Kong Magistracy on October 25 Mr. J. A. Tarrant, Secretary of Messrs. A. S. Watson & Co., Ltd., was summoned for importing morphine contrary to the Opium Ordinance, and, secondly, for not having a single case labelled "morphine" and "poison." The Magistrate regarded the offences as technical breaches of the Ordinance, and imposed a fine of \$5 in respect of each offence.

MEDICINES FOR CEYLON GOVERNMENT.—At a meeting of the Ceylon Legislative Council on November 6, in moving certain items of expenditure, the Acting Colonial Secretary referred to one of Rs. 120,000 (8,000*l.*) for the purchase of medicines and instruments, and informed hon. members that the necessity for this arose owing to the incidence of cholera, malaria, etc., and also for medicines and articles indented for last year, but not paid for during the last financial year. There was approximately a saving of Rs. 80,000 (5,333*l.*) on the last year's working, so that the vote was practically for Rs. 40,000 (2,666*l.*) only.

MORPHINE IN THE MALAY STATES.—The report of the Chief Secretary of the Federated Malay States for 1910 states that the consumption of opium shows a decline, and the fear of the vice of morphine and cocaine injecting being resorted to is the great drawback to severe measures being employed for the suppression of opium-smoking [a point which might be brought before The Hague Conference.—Ed.]. Eighteen morphine-injectors were banished from the States last year. The establishment of the Government Monopoly Department, which has taken over the distribution of chandu in the coast districts, has led to a large decrease in the number of chests of opium imported: during 1909 the number of chests imported was 2,944, in 1910 it fell to 989, but this does not include the chandu prepared at the Singapore and Penang factories for sale in the Federated Malay States.

QUININE IN THE STRAITS.—Proposals which have been made to establish dispensaries and to distribute quinine as an anti-malarial measure have not been received with much favour by either the Singapore or Penang Health Officer. The reasons advanced by the Singapore Health Officer were that the indiscriminate distribution of quinine without the advice of a properly qualified medical officer would be dangerous and would tend to discredit the drug, and that it would be better to undertake a thorough campaign against malaria than to take it step by step; in fact, that no measures should be taken until all the preparations for a thorough campaign were complete. The main objection is that the distribution of quinine would be expensive, and that the money could be better spent in filling up swamps, improving drainage, etc. On the other hand, the Municipal Inquiry Commission which recently sat at Singapore is of opinion that it is advisable to take steps to extend the use of a drug the beneficial effects of which are universally acknowledged, and to make a more frequent use of a remedy so ready to hand. The Commission recommends the establishment of two public dispensaries in Singapore in addition to the existing Government dispensaries.

AUSTRALASIAN NEWS.

"The Chemist and Druggist" is regularly supplied by order to all the members of nine Societies of Chemists in Australia and New Zealand, as well as to other Chemists in business there.

The Commonwealth.

INDUSTRIAL SPIRITS.—In the schedule to the Spirits Act, 1906, the following definition was inserted: "The spirit, before methylation, to be of a strength not less than sixty-five degrees over proof, and to be methylated by the addition of two per cent. of wood naphtha and one-half per cent. of pyridine liquid." A new regulation has been passed by the Governor-in-Council, dated September 20, and gazetted, which requires that in addition to the denaturants specified above there be added $\frac{1}{2}$ per cent. of coal-tar naphtha or shale naphtha.

IMPORTERS AND THE COMMERCE ACT.—A need exists for the organisation by the wholesale houses of some means of communicating with the authorities in connection with the administration of the Customs Department. At present, where wholesale houses act independently on questions of the Commerce Act, much extra trouble is given both to the Department and also to the importers themselves. It would pay importers handsomely if they were to arrange to retain the services of some competent man to whom every question relating to the administration of the Commerce Act could be referred, and who would at once communicate with the heads of the Department, get their decision, and communicate it to every other importer.

New South Wales.

ELLIOTT BROS., LTD.—By a resolution passed on September 25 the capital of Elliott Bros., Ltd., is to be increased from 97,000*l.* to 700,000*l.* by the creation of 200,000 preference and 403,000 ordinary shares of 1*l.* each.

New Zealand.

DOCTORS' PAYMENTS.—An experiment is being tried by the Wellington Hospital and Charitable Aid Board. From August 1 to October 31 arrangements were made with the Wellington branch of the British Medical Association to pay all general medical practitioners 5*s.* per visit between the hours of 8 A.M. and 8 P.M. and 10*s.* per visit between the hours of 8 P.M. and 8 A.M. to indigent persons on the conditions that full reports are made within twelve hours. Before a second visit is paid the authority of the Board's representative is to be obtained. Prescriptions must be given upon the forms supplied as provided in the schedule. The names of authorised chemists and dispensers to whom prescription orders must be taken in the several localities were printed on the reverse side of the prescription.

Victoria.

"RECORDED" DENTISTS.—The appeal of the "recorded" dentists against the decision of the Magistrate that they may not use the word "dentist" has been before the Chief Justice, and the Magistrate's decision was upheld (see *C. & D.*, October 21, index folio 600). Application has been made to the High Court, and special leave granted to appeal against this decision.

TEACHING OPTICS.—The formation of a class in optics at the Melbourne College of Pharmacy was further considered at the last monthly meeting of the Council of the Pharmaceutical Society. The Secretary reported that the syllabus of the proposed class had been brought under the notice of several leading oculists, who have expressed themselves as favourable to the course. Dr. J. W. Barrett has undertaken to draft a curriculum for the approval and endorsement of the Congress.

THE DEATH OF Mr. James Cuming, founder of the firm of Cuming, Smith & Co., manufacturers of sulphuric acid and superphosphates, was announced on October 18, at the age of seventy-five. He went to Victoria in 1862, and ten years later, with Messrs. George Smith and Charles Campbell as partners, he purchased a sulphuric-acid manufactory at Yarraville, at which are now employed over 300 men. A branch is established at Port Melbourne, and there is a wood-distillation plant at Warburton.

CANADIAN NEWS.

(From the "C. & D." Correspondent.)

LEVER BROS., LTD., Port Sunlight, Liverpool, have acquired twelve acres of ground on Burrard Inlet, Vancouver, and are to erect there soap works to employ a hundred men.

MR. EBENEZER MUIR, whose retirement from the position of Secretary-Treasurer of the Montreal College of Pharmacy was noted in the *C. & D.*, May 27 (index folio 774), died on November 10. He was eighty years of age.

POTASH DEPOSITS.—It is stated that the German Kali Syndicate has discovered large deposits of potash salts at Goderich, Ont., in the region round Lake Huron and St. Clair. This is one of the most prolific salt-yielding properties in Canada.

THE CREDITORS of the T. A. Slocum Co., Toronto, will receive about 40*c.* on the dollar, but there will be nothing left for the shareholders. At a shareholders' meeting, held in Toronto on November 5, a syndicate offered \$33,000 for the available assets of the company, and to assume mortgages of \$21,000 on properties on Spadina Avenue and Phoebe Street—in all \$54,000. This was accepted. The liabilities are \$99,000, including \$72,000 creditors' claims.

VANCOUVER RETAIL DRUGGISTS' ASSOCIATION.—At a meeting on October 9, Mr. W. D. Tinling, general manager of the National Drug and Chemical Co., Ltd., explained the action of his company in not restricting the sale of their goods to qualified chemists. There are, he said, 26,000 general stores in Canada and 2,500 druggists, the former selling about half the total amount of proprietary medicines, and it would be jeopardising the interests of the company to limit the sale of their products. Their goods are sold on a price-protection basis, with the exception of "Gin" pills.

COLONIAL AND FOREIGN NEWS.

SWEDISH PHARMACEUTICAL ASSOCIATION.—On December 6 the Swedish Farmaceutiska Föreningen, Stockholm, will celebrate the fiftieth anniversary of its foundation. Some time ago the Riksdag approached the Government with a request to form a commission with a view to regulating the conditions of the tenure of pharmacies after 1920, in which year the redemption of the saleable pharmacy rights will take place. As it is doubtful whether the Government will accede to this proposal, the Association intends to form a private commission composed of proprietors and assistants.

AUSTRIAN JUBILEE.—The Austrian Apotheker Verein held a special meeting on November 9 in the Vereinshaus, at Vienna, to celebrate the fiftieth anniversary of the foundation of the Association. The patron of the Association (Archduke Rainer) was prevented by illness from attending, but there were present representatives of the Ministers of the Interior, of Commerce and Agriculture, the Mayor of Vienna, and the Governor, Baron Bienerth. The University, the Technical High School, the pharmaceutical and medical professional associations were also well represented. In his opening speech Dr. Stohr pointed out the remarkable national and economic importance of the pharmaceutical profession, evidenced by the annual accounts of the Austrian Pharmaceutical Salary Fund, which show money transactions amounting to 1,250,000*kr.*, although the institution only includes 60 per cent. of pharmacists in Austria. The Association has a membership of 1,200, and owns chemical and analytical laboratories for the testing of foods, with a special "annexe" for bacteriological research; while in connection with the pharmaceutical school there are laboratories with materia-medica collections and a library. An illustrated commemorative publication has been issued under the title, "General Austrian Pharmaceutical Association, 1861-1911: Contributions to the History of the Association for the Jubilee Celebrations, November 9, 1911."

LEGAL REPORTS.

TRADE LAW.

Camphorated Oil.—At Dartford on November 24, Thos. R. Oldbury, chemist and druggist, Swanley Junction, was summoned under Section 6 of the Sale of Food and Drugs Act, 1875, for selling camphorated oil deficient in camphor. He explained to the Bench that he had found a large deposit of camphor in the stock-bottle as taken over from Mr. Cox, his predecessor, and attention had not been paid to it at the time. The Magistrates accepted the explanation, and dismissed the case on payment of costs.

Workmen's Compensation Act.—In the Shoreditch County Court on November 28, before Judge Cluer, Mrs. Violet Walmsley, an infant, sued through her husband, as best friend, to recover from Messrs. R. Hovenden & Sons, Ltd., 85 City Road, E.C., for injuries received in the course of her employment with them as a factory hand through falling down an unguarded cellar. Mr. Blackwell, barrister, who appeared for the applicant, said that terms had been arranged provided his Honour agreed. The girl was to get 75*l.* Judge Cluer assented.

Ancient Lights.—In the Irish Chancery Division on November 22, Mr. Justice Ross concluded a case in which Mr. Samuel Gibson and Mr. William James Gibson, wholesale druggists, 58 and 58A King Street, Belfast, claimed injunctions against Messrs. R. Carswell & Son, Ltd., who occupy 60 King Street, immediately adjoining the plaintiffs' premises, to prevent the defendants permitting to remain a wall and hoarding so as to cause an obstruction to the light and air to the plaintiffs' house through certain windows, and to restrain the defendants from continuing to trespass on the plaintiffs' house. The defence was a denial of the alleged cause of the action and that the windows were ancient lights. In dismissing the case, with costs, the Judge said he regarded the plaintiffs' case as the most hopeless he had ever known brought into court. Defendants put up an obstruction to prevent plaintiffs acquiring a right to light, and because this did not cover the tops of the windows it was contended that a dominant right had been acquired. He did not believe that there was any constant supply of light to plaintiffs' premises that could be of any use to people working there.

Dismissal without Notice Justified.—Before Judge Hill Kelly, at the Cardiff County Court on Thursday, November 23, a curious case came on for hearing, in which the plaintiff was William Henry Pick, shop assistant, who claimed a sum of 7*l.* 10*s.* from Messrs. Duck & Sons, chemists, St. John's Square, Cardiff, in lieu of notice.—Mr. Ivor Bowen, for the plaintiff, said he was engaged at a salary of 35*s.* weekly on May 31, and on October 14, the shop being full at the time, plaintiff served a lady customer with goods kept downstairs, and she handed a shilling to Pick in payment. Instead of depositing the coin in the till, he (Pick) put it in his pocket for a while. Mr. Stock, one of the assistants, at once reported what he had seen to Mr. Duck, plaintiff being thereupon immediately discharged. This was the only charge against plaintiff, who gave his explanation from the witness-box. He alleged having carried the shilling about in his hand while he served half-a-dozen customers, and then, to manipulate the lift, he transferred the coin to his pocket. He admitted having said to Stock, in the hurry, that he had placed the shilling in the till.—His Honour, without in the least suggesting dishonesty, found for defendants, Mr. Duck being entitled, he said, to discharge the plaintiff for an untruthful explanation to the senior assistant. Judgment for defendants, with costs.

High Court Cases.

Unless when otherwise stated these cases have been heard in the High Court of Justice, London.

REEVES' PAINTS.

In the Chancery Division on November 24 the action by Reeves & Sons, Ltd., against Boots Cash Chemists (Lancashire), Ltd., was mentioned to Mr. Justice Parker. The plaintiffs are suing the defendants for alleged passing-off of colours as being of the manufacture of the plaintiffs, which were not, in fact, manufactured by them. Mr. Martelli, K.C., for the plaintiffs, said he was instructed to apply for an early date to be fixed for the trial. He understood that the defendants objected to a trial in December on the ground that it would interfere with their Christmas trade.—Mr. Justice Parker said he had mentioned the case to Mr. Justice Warrington, and that Judge would take it on Monday, November 27.—Mr. Romer,

K.C., for the defendants, said that he could not see any urgency in the matter, as the case had been hanging on for some time. He had assured the Court on the hearing of the case on motion that nothing prejudicial to the plaintiffs would be done pending the trial of the action.—His Lordship said he would retain the case and try it on the first day of next sittings, on January 11.

Medicine-stamp Act, 1812.

OINTMENT CASES.

At Padiham on November 27, Henry Lofthouse, Sabden, was fined 20*s.*, and costs, for selling an unstamped box of ointment which should have been stamped, and the same for selling it without a licence. It was explained that an Excise officer saw the ointment advertised, and he sent for a box. With it was a leaflet headed "Sabden ointment for"—then came a list of complaints—and there was also the assurance, "You need not despair, for this ointment will cure you." At the same time Thos. Houlgrave, Moor Lane, Padiham, was also summoned for two offences. He had previously been fined for a similar offence, and was now fined 5*l.* and costs for selling without a licence, and 2*l.* 10*s.* and costs for selling an ointment which had round it a card bearing the words, "Household ointment," followed by a list of complaints it was good for. In addition a number of testimonials were printed on the card, and in several of these the word "cure" appeared. The Chairman said as Houlgrave had been previously convicted the Bench were bound to impose a fourth of the maximum penalties.

SALE OF AN EXEMPTED REMEDY BY AN UNQUALIFIED PERSON.

Before the Lancaster County Bench on November 25, Thomas Waddington, patent-medicine vendor, 30 Regent Road, Morecambe, was summoned by the Board of Customs and Excise for selling unstamped No. 350 tablets, which were held out for the cure of rheumatism. Mr. A. D. Stocks, of the Solicitors' Department, Customs House, London, prosecuted, and Mr. Whiteside, Morecambe, defended. Mr. Stocks stated that Mr. E. Scott Morton, purchased the tablets at Mr. Waddington's shop (Waddington's Drug-stores) on July 27. Mr. Morton asked for a bottle of "350 tablets." The label specified that they would cure rheumatism completely and safely, and there was also a pamphlet on the cure of rheumatism. The exact description was "350 tablets. P.J.F. 10461. An unfailing remedy for rheumatism." Mr. Stocks added that the exemption as to the sale of such remedies unstamped applied, among others, to qualified chemists and surgeons.

Mr. Whiteside: Or one who has a stamped-medicine licence.

Mr. Stocks said that those who were not qualified by examination must have a licence to sell. Defendant was not a qualified chemist, and could not sell unstamped the class of medicines whose formulæ were published in the British Pharmacopœia or well-known books of reference, such as the "Pharmaceutical Journal Formulary." Defendant had admitted the offence in answer to correspondence from the Board and its officials, but he said he did not know that a stamp was necessary. He may have been ignorant of the law, but a man carrying on business as a druggist was expected to know the law. It was easy to find out what were the specific medicines requiring stamps, because there was a book published by the Chemists' and Druggists' Association and a Diary* which told a druggist what he was liable to pay duty for.

Mr. Eli Scott Morton gave evidence in support of this statement. Cross-examined by Mr. Whiteside, he said a rival trader in the same street did not give him information. He went in the course of his duty after receiving instructions from the Board of Customs and Excise.

Mr. Whiteside produced cascara tablets, and asked if these should be stamped. Witness said they were not recommended for bodily ailment, and were not liable to duty as then presented.

The Chairman said that in the case of the tablets they were a specified cure for rheumatism. Cascara could be taken for anything apparently.

* The references seems to be to *The Chemists' and Druggists' Diary*.

Mr. Whiteside: I've gone into it, and it would puzzle a Philadelphia lawyer.

The Chairman: But you are a Morecambe lawyer. (Laughter.)

Correspondence was read in which the defendant said that if he had known a stamp was required he would have had the tablets labelled "Rheumatic tablets." He considered the name "350 tablets" a very poor one, and he should not have stocked them at all if he had not thought no label was necessary. He regarded the name as absurd.

Mr. Whiteside, in defence, first submitted he had no case to answer because there was no proof that the tablets contained more than one drug; but Mr. Stocks said that but for the correspondence of the defendant they would have brought an analyst to prove the composition of the tablets. The very fact that they were registered in the "Pharmaceutical Journal Formulary" was proof that they were according to a prescription and contained more than one drug. If they were sugar-coated that brought them within the meaning of the Act. However, if the Bench thought otherwise, they could adjourn the case, and he would bring an analyst from London.

Mr. Whiteside withdrew this objection when he was told that the Bench were against him.

The defendant then deposed that the "350 tablets" were registered in the "Pharmaceutical Journal Formulary," and anybody could see it; therefore it was no secret remedy. He did not notice that the words "Cure for rheumatism" were on the side of the bottle. Cross-examined: He did not notice every bottle he sold, nor did he know what was inside. He admitted what was on the label now, and that he was not a duly qualified person exempt under the Act. When the Board of Customs and Excise told him he was liable he knew he had to submit.

Mr. Whiteside, continuing his plea for defendant, said he had been in business for twenty-five years, and this was the first time anything had been brought against his stores. He asked for a lenient penalty.

The Bench imposed a penalty of 20s. and costs, or a month's imprisonment.

BANKRUPTCY REPORTS.

Re T. H. B. Thorne, 28 Gloucester Street, Warwick Square, S.W.—The debtor attended before Mr. Registrar Linklater at the London Bankruptcy Court on November 28 for public examination upon accounts showing liabilities 5,224l. 16s. against assets 60l. In the course of his evidence the debtor said he left the Army in 1909 with a pension, and in that year he formed a company with a view to putting Bendles' Meat Port on the market. The company was registered, but it made no profit, and he lost about 100l. upon the scheme. He had been connected with the promotion of the Hygienic Syphon Co., Ltd., and he estimated his loss over that undertaking at 500l. During the last ten years he had been in the hands of moneylenders, to whom he now owed 3,400l., more than one-half of which represented interest charges. The examination was concluded.

Re W. Caudery & Co., 1 Fenchurch Street, Fenchurch Avenue, London, E.C., Chemical Merchants and Agents.—When Mr. R. B. Jane applied to Mr. Richard Gifford, the Registrar, at the London Bankruptcy Court, for an order of discharge (as reported in the C. & D., November 25) he submitted to the Court a petition signed by the principal creditors of the estate representing liabilities of 190,805l. out of the total of 200,000l. which had been proved, supporting Mr. Jane's application for unconditional discharge. Owing to a legal technicality the Court could not admit this petition, but it is only fair to Mr. Jane that it should be known that so large a proportion of the creditors supported him in his application for an unconditional discharge, and had time permitted more would probably have signed. The Registrar, in granting the discharge with the minimum suspension time, made some remarks of a sympathetic nature towards Mr. Jane.

DEED OF ARRANGEMENT.

Blast, John Henry, the younger, 4 Abingdon Street, Northampton, Chemist.—Trustee: A. C. Palmer, St. Giles' Chambers, Northampton, C.A. Dated, November 17; filed, November 23. Secured creditors, 5l.; liabilities unsecured,

1,398l.; estimated net assets, 700l. The creditors include: Ashton & Parsons, Ltd. (10l.); Butler & Crispe (23l.); Beaufoy & Co. (13l.); Baiss Bros. & Stevenson, Ltd. (36l.); J. & H. Browning (23l.); Fassett & Johnson (17l.); Goldhill & Co. (24l.); G. B. Kent & Sons, Ltd. (22l.); Shirley Bros., Ltd. (16l.); Brook, Parker & Co., Ltd., Bradford (11l.); Kinmond & Co., Leamington (26l.); H. B. Cartwright, Ltd., Leeds (12l.); E. H. Butler & Son, Leicester (14l.); Liverpool Lint Co. (13l.); J. F. Wilkinson, Pendleton (14l.).

Cessio Petition.

Re A. Wales Berry, 52 Victoria Street, Aberdeen, Chemist and Druggist.—At the Aberdeen Sheriff Court on November 24, Sheriff Laing heard agents in a petition for cessio of the estates of this debtor. Mr. D. Sinclair, solicitor, stated that the petitioning creditor desired cessio in respect that further information regarding Mr. Berry's estate was desirable. Mr. W. E. Bell, solicitor, who represented the debtor, opposed the motion on the ground that it was inexpedient, and that if it were granted, the estate would be entirely absorbed. A statement of affairs had been prepared, and there was only a question of certain articles of furniture in dispute, the bulk of it belonging to Mrs. Berry under an ante-nuptial contract. Sheriff Laing said he thought there was a good deal in what Mr. Bell said regarding the inexpediency of the application, and he suggested that the agents might meet, when Mr. Bell would give any further information required. Accordingly the matter was adjourned for a fortnight.

GAZETTE.

Partnerships Dissolved.

COTTRILL, F. P., and WEBER, C. F., Fabian Street, Swansea, also Mumbles and Brynaman, Glamorgan, manufacturers of artificial teeth, extractors and fillers of teeth, etc., under the style of Cottrill & Weber.

SAMUELSON, A. N., and HASSAN, M., Berners Street, London, W., soap specialists, under the style of the Socleano Co.

The Bankruptcy Acts, 1883 and 1890.

ADJUDICATIONS.

CHAMBERLAIN, EDWARD, Welbeck Street and Bath Road, Bedford Park, London, surgeon.

YOUNG, ADAM, Hatchlea, Ockley, doctor of medicine.

LIMITED COMPANIES.

New Companies Registered.

The letters P.C. mean Private Company within the meaning of the Companies Act, 1907, and R.O., Registered Office.

RADIUM COLOUR CO., LTD. (P.C.).—Capital 2,500l. Objects: To carry on the business of manufacturers of and dealers in chemical, industrial, and other preparations and articles, etc., and to adopt an agreement with Mrs. L. Binko and Mrs. E. Meyer. R.O., 71 Southampton Row, W.C.

LABORATORIES, LTD. (P.C.).—Capital 1,000l. Objects: To carry on the business of civil, mining, electrical, and general engineers, founders, electricians, analytical, electrical, and consulting chemists, assayers, analysts, etc., and to adopt an agreement with J. M. Neil and R. C. Rutherford, who are the first directors. R.O., 5 New Brown Street, Manchester.

BELL, HERBERT & Co., LTD. (P.C.).—Registered in Dublin. Capital 500l., in 1l. shares. Objects: To carry on the business of manufacturing and distilling, precipitating, and refining, or dealing with crude and refined oils, sulphate of ammonia, etc. H. A. Townley is the first director. R.O., College Park Chambers, 7 Nassau Street, Dublin.

BRITISH ACHESON OILDAG CO., LTD. (P.C.).—Capital 2,000l. Objects: To acquire the business of the Acheson Oildag Co. at Camborne, Cornwall, and to carry on the business of manufacturers of and dealers in lubricating products, particularly the preparations known as "Oildag," "Aquadag," and "Gredag." The first directors are F. H. Banbury, H. B. Hanson, and J. H. Vickery.

GRIMSBY PAINT, OIL, AND VARNISH MANUFACTURING CO., LTD. (P.C.).—Capital 5,000l. Objects: To carry on the business of importers of raw materials in the oil, colour, and allied trades, ship and general painters and decorators, and to acquire the business of Bonshor & Screeton, Old Bank Chambers, Grimsby. The first directors are H. J. F. Crosby (chairman) and H. Screeton. R.O., above address.

Company News.

LACTIC FERMENTS, LTD.—Report of liquidator (Mr. E. Edmonds) at a meeting to be held at 8-11 Pavilion Buildings, Brighton, on December 27, at noon.

FULLERS EARTH UNION, LTD.—The directors announce an interim dividend for the half-year to September 30 at the rate of 8 per cent. per annum on the ordinary shares.

H. SARDOU & Co., LTD.—A notice of the appointment of Mr. J. Stein, 19 Mountfield Road, Finchley, as receiver and manager on November 14, 1911, has been filed at Somerset House.

NOBLE, REID & SON, LTD.—A notice of the appointment of R. Chapman, Barrington Street, South Shields, as receiver and manager on November 16, 1911, has been filed at Somerset House.

VICTORIA AERATED WATER CO., LTD.—This Bo'ness company is to be wound up, as it cannot by reason of its liabilities continue business. Mr. G. K. Johnston, C.A., 29 Alva Street, Edinburgh, is liquidator.

CASSEL CYANIDE CO., LTD.—The directors recommend a final dividend for the year ended September 30 of 1s. per share, making 2s. per share for the year, free of tax. They also recommend a bonus of 1s. 6d. per share, also free of tax.

SOCIETE L'ARSENIC.—The shares of this French company, which produces realgar or bisulphide of arsenic in Corsica, are to be quoted on the Paris Bourse from November 23. The company has had a very successful career since its inception, the dividend in 1910 being fr.25 per fr.100 share. The capital which has been increased on three occasions, is now fr. 720,000 (28,800l.).

STUART & Co., CASH CHEMISTS, LTD., 4 The Parade, Watford.—Under the failure of this company, particulars of which appeared in our last week's issue, the statutory first meetings of the creditors and shareholders were held on November 24 at the London Bankruptcy Court, Mr. Cecil Mercer, Official Receiver, presiding. The proceedings were purely formal, and no resolution was moved, the general desire being for the liquidation to be left in the hands of the Official Receiver.

OTTO FULTON PROCESS, LTD.—In the Companies' Winding-up Court on Tuesday Mr. Justice Swinfen Eady, on the application of the petitioners, dismissed the petition of Parke's Drug-stores, Ltd., for a compulsory order for the winding up of the Otto Fulton Process, Ltd. His Lordship asked whether the petitioners had been paid. Counsel said they had not, but they were to be paid. Mr. Tanna said he appeared for another creditor in support of the petition, and he asked that his costs should be paid if the petition were dismissed. Later, counsel said the parties had agreed that his costs were to be paid. His Lordship: If that is agreed to, out of Court, I simply dismiss the petition.

ILFORD, LTD.—At the fifteenth ordinary general meeting held at Winchester House, Old Broad Street, London, E.C., Colonel Ivor Phillips, D.S.O., M.P., Chairman, in moving the adoption of the report and accounts (C. & D., November 25, index folio 777), stated that the profit on the trading account had increased roundly from 53,000l. to 55,000l. They were selling more of the goods they manufactured than for some years past, and the profit had increased, mainly because of the concentration at Ilford, because while they had an increased turnover they had to face increased prices for raw material. The company was at the top of the tree some years ago, and it had gone to the top of the tree again. New goods were also being constantly brought out. The concentration at Ilford had been a complete success. The report was adopted unanimously, and the retiring director, Major F. W. Evatt, re-elected. At an extraordinary general meeting held subsequently the new articles of association were formally adopted.

LEWIS & BURROWS, LTD.—The report of the directors to be submitted to the annual meeting on December 8 states that there has been an improvement in the volume of trade, but the expense involved makes it inexpedient to recommend a dividend on the ordinary shares. The position of the company has improved, and the directors believe that the maintenance of their present policy will lead to further and satisfactory development. The growing output of the laboratory established at the Holborn Bars premises is highly satisfactory. Two expiring leases have been renewed on satisfactory terms. It is proposed to pay upon the preference shares a further dividend of 3 per cent. (less income-tax), making 6 per cent. for the year. Mr. J. K. Matterson, who retires by rotation, offers himself for re-election. The profit-and-loss account shows a profit on the year's trading of 4,521l. 19s. 10d., with transfer-fees and dividends, 4,530l. 7s., and after deducting salaries of general manager and secretary (620l.), directors' and auditors' fees (670l.), amount written off repairs and improvements account (107l. 3s. 3d.), and depreciation account (1,020l. 14s. 6d.), leaves a net profit

carried to balance-sheet of 2,162l. 9s. 3d. In the balance sheet the assets include leasehold premises and goodwill, 44,605l. 1s. 5d.; fixtures, fittings, and furniture, 19,982l. 15s. 5d.; movable plant and utensils, 2,519l. 3s. 8d.; stock-in-trade, 22,630l. 10s.; and cash, 3,194l. 17s. 10d.

Charges or Mortgages.

Under the Companies (Consolidation) Act, 1908, Section 93, the mortgages or charges therein specified are (except in Scotland) void against the liquidator and any creditor of the company unless filed with the Registrar in accordance with the conditions laid down in the Act.

Full statutory particulars of the following have been filed at Somerset House, London, W.C.

Borax Consolidated, Ltd.—Mortgage or charge on 30,000 preferred ordinary shares of 5l. each, at present unissued, and all moneys and calls payable in respect thereof, dated November 1, 1911, to secure 150,000l. Holders: Glyn, Mills, Currie & Co., 67 Lombard Street, E.C.

Cwmbran Chemical Co., Ltd.—Particulars of 20,000l. debentures created October 10, 1911. Present issue, 17,400l. Property charged: The company's property at Cwmbran, present and future, including uncalled and unpaid capital. No trustees.

Dental Manufacturing Co., Ltd.—Issue on October 19, 1911, of 200l. debentures, part of a series of which particulars have already been filed.

George Wood (Leeds), Ltd.—Issue on October 26, 1911, of 250l. debentures, part of a series of which particulars have already been filed.

H. S. Syndicate, Ltd.—Debenture dated November 6, 1911, to secure 150l., charged on the company's undertaking and property, present and future, including uncalled capital. Holder: J. D. Marshall, 50 Wigmore Street, W.

BUSINESS CHANGES.

Notes for this section sent to the Editor should be authenticated, and must not be in the nature of advertisements.

MR. H. H. RIGHTON, chemist and druggist, is opening at 24 West Street, Havant.

MR. W. HOLT, chemist and druggist, late of Measham, is opening a pharmacy at 170 High Street, Scunthorpe, Lincolnshire.

MR. J. FOTHERGILL, Ph.C., has purchased the business of Mr. J. W. Quibell, pharmacist, 6 Perry Vale, Forest Hill, London, S.E.

MR. D. R. JONES, chemist and druggist, late of Cardiff, has purchased the business of Mr. E. Monks, 2 The Parade, Coldharbour Lane, London, S.E.

MR. A. J. LAMBERT, of Leeds, has recently purchased, through the agency of Messrs. Brett & Co., Leicester, the business carried on by Mr. F. H. Stow, South Road, Walkley, Sheffield.

MR. HARRY WATERHOUSE, chemist and druggist, late with Messrs. Cousens, Thomas & Sons, Oxford, has purchased the chemist-optician's business of Mr. John R. Cornish, F.S.M.C., South Tottenham, London, N.

MR. F. FLETCHER, chemist and druggist, has recently taken over the business lately carried on by the executors of the late Mr. C. W. Booth at 242 Osmaston Road, Derby. Messrs. Brett & Co., Leicester, valued for both parties.

MESSRS. J. COLLINS & Co. have from November 25 taken over the business of Messrs. Carlton & Sons, chemists and druggists, Idlesleigh Road, Woodhall Spa, of which Mr. Joseph Collins has for the past ten years been manager.

BOOTS CASH CHEMISTS (WESTERN), LTD., have purchased the business of Messrs. Tayler & Brett, chemists, High Street, Yeovil, through Messrs. Brett & Co., Leicester, who valued for both parties. The business, which occupies one of the finest positions in the town, was established in 1796.

MR. J. H. WEBB has acquired as from November 30 the business of Messrs. Wootton & Webb, dispensing chemists, 12 Market Place, Luton, with which he has been associated as a partner for over twenty years. The business will still be carried on under the same name. Messrs. Orridge & Co. have valued for both parties.

BIRTH.

BAIN.—At 20 Oliver Crescent, Hawick, on November 26, the wife of James Bain, chemist and druggist, of a daughter.

MARRIAGE.

GRAY—TANNER.—At St. Ann's (Shandon) Church, Cork, on November 16, by the Rev. Arthur Wilson. B.A., David Gray, Ph.C., late of Barnagrove, Coroneary, Bailieborough, co. Cavan, to Mary Barbara Tanner, younger daughter of Mr. Thomas Tanner, Dunmanway, co. Cork.

DEATHS.

BLOTT.—On November 16, Mr. Hugh Russell Blott, chemist and druggist, High Street, Kimbolton, Hunts, aged forty-five.

CLARK.—On November 16, Mr. Andrew Clark, 94 Polwarth Gardens, Edinburgh, aged sixty-five. Mr. Clark passed the Modified examination in 1868.

GOOCH.—At Leiston, Suffolk, on November 27, Mr. Thomas Pratt Gooch, chemist and druggist, aged seventy-five. Mr. Gooch came of a well-known Norwich family, and in 1860 commenced business as a chemist in Aldeburgh Road, Leiston, where he had continued since. Until a few years ago he was a prominent member of the committee that manages the Leiston Old-Folks Party, and for many years he was an overseer of the parish and collector of taxes. He leaves a widow and two sons.

GRIGGS.—At Queen Street, Haverhill, Suffolk, on November 25, from Bright's disease, Mr. Edward Walter Griggs, chemist and druggist, aged sixty-six. Mr. Griggs, who was a native of Halstead, had been in business at Haverhill for forty-three years, where he was sub-postmaster for thirty-three years. He took a prominent part in local public affairs, being elected a member of the old Local Board in 1886 and joining the Urban District Council on its formation. He continued a member of the latter body until 1898. Mr. Griggs was for many years a member of the old School Board, of which he became Chairman. When School Boards ceased he became Chairman of the School Managers. He served as a churchwarden for thirty-three years, being presented with a handsome gift of plate after a quarter of a century's service in this capacity. As a Freemason he had passed the chair of the Royal Clarence Lodge. Mr. Griggs leaves a widow, three sons, and five daughters.

HUCKLEBRIDGE.—On November 28, at 116 Ebury Street, Eaton Square, London, S.W., Ruth, wife of Mr. Wilfred Hucklebridge, chemist and druggist, aged forty-one.

MASON.—The death at Ruswarp Lane, Whitby, is reported of Mr. John Mason, aged fifty-one, of whom it is erroneously stated that he was one of the founders of Taylor's Drug-stores, Ltd. He was not related to Mr. T. H. Mason of that company, who was the founder of Mason & Co., Ltd. (which was merged into Taylor's), and gave Mr. John Mason (who was a draper) a situation as a salesman in one of the company's shops. After some years the deceased gentleman started business as a druggist on his own account at 25 Baxtergate, Whitby, and a branch at 8 Horse Market, Barnard Castle. In May 1907 the concern was registered as a company (Mason's Drug-stores, Ltd.), with a capital of 2,000l., Mr. John Mason being managing director.

SANFORD.—At 14 Wellington Road, Croydon, on November 26, suddenly, Mr. Percy Gerald Sanford, F.I.C., F.C.S., aged fifty. Mr. Sanford practised for some time in Mincing Lane as an analytical chemist, specialising in essential oils. He was public analyst for Penzance.

SUTTON.—On November 18, at 32 Cathedral Close, Norwich, Marian Harriet, wife of Mr. Francis Sutton, Ph.C., F.I.C., of Norwich, aged seventy-eight.

TACCONIS.—At Turin, on November 12, Commendatore

Dottore Tacconis, one of the most notable figures in Italian pharmacy. Dr. Tacconis, who was present in Rome a week ago at the reunion of the municipal representatives of Rome, Florence, and Turin, rendered many good services to his profession. He collaborated in the production of the first official Italian Pharmacopœia, and was a councillor and assessor of the City of Turin. He was awarded a special gold medal by the International Exhibition Committee at Turin.

WILSON.—On November 28, Lily, wife of Mr. Ernest Wilson, chemist and druggist, 54 Chestergate, Stockport.

WILLS PROVEN.

MR. ROBERT LITTLE, Rose Villa, Wigton Road, Carlisle, chemist and druggist, who died July 9, left estate valued at 3,681l. gross.

MR. MATTHEW BELL, Balmoral Road, Fairfield, Liverpool, drug-broker, who died July 24, left estate valued at 1,466l. 7s. 6d. gross, with net personalty 1,428l. 3s. 8d.

ALDERMAN ROBERT GIBSON, Montague House, Old Trafford, Manchester, managing director of Messrs. Robert Gibson & Son, Ltd., medicated-lozenge manufacturers, Carlton Works, Hulme, who died October 25, left estate of the gross value of 26,513l. 9s. 9d., of which the net personalty has been sworn at 23,286l. 8s. 9d. Probate of his will dated August 4, 1911, has been granted to his sons, Mr. Frederick Hulbert Gibson, 481 Stretford Road, Old Trafford, and Mr. William Herod Gibson, 30 Range Road, Whalley Range, medicated-lozenge manufacturers; and Mr. Edwin Ernest Smith, 83 Mosley Street, Manchester. The testator left to his son Frederick Hulbert Gibson thirty-four 100l. debentures and 225 10l. ordinary shares of Robt. Gibson & Sons, Ltd., his residence, the bulk of his household effects, premises 3 Beech Mount and 481 Stretford Road, and, in the hope that he will take the same interest in the Bruce Findlay Trust as he himself had done, premises 14 Lynwood Avenue, these bequests being charged with the payment of 100l. to each of his sons William and Arthur. He left thirty-three such debentures and 225 such shares, two houses in Range Road, premises in Maple Street, Hulme, and a number of specific bequests to his son William Herod; thirty-three such debentures, two houses in Range Road, and a number of specific bequests to his son Arthur Alvey; thirty 10l. ordinary shares in the Manchester Ship Canal upon trust for his granddaughter Mary Evelyn, daughter of his son William; 1,000l. to Mrs. Mary Ann Dodd; 500l. upon trust for Mrs. Mary Burgess; 300l. to Agnes Mary Lee; 100l. to Edwin Ernest Smith; 100l. to Mary Dodd; 50l. each to Veronica Turner and Robert Godber, these three bequests being payable if the intended recipients be still in his service; three months' wages to his gardener; 200 10l. ordinary shares in Robt. Gibson & Co., Ltd., upon trust for John Walter Bowden, companion to his son Arthur, for life, with remainder to his residuary estate. Subject to numerous other bequests, he left the residue of his property to his three sons Frederick Hulbert Gibson, William Herod Gibson, and Arthur Alvey Gibson in equal shares.

TRADE NOTES.

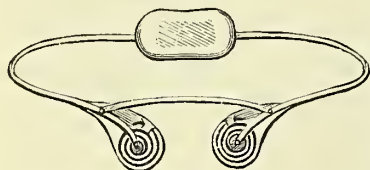
THE SOLE AGENTS in the United Kingdom for Verkade's night-lights and non-drop tapers are Messrs. Prescott & Co., 63 Corporation Street, Manchester.

CHRISTMAS WINDOWS.—Particulars of an attractive window novelty will be furnished to licensed chemists by the Me-Malto Co., Dorking, whose advertisement is in this issue.

PHOSPHO NICOTYL is a newly introduced poison for rats, mice, woodlice, beetles, etc., which is retailed at 1s., 2s., and 3s. 6d. a tin. The manufacturers are Messrs. Walter Voss & Co., Ltd., 4c Millwall, London, E.

EMPIRE SEALING MACHINE.—This machine, which is figured in our advertising pages, embodies a new idea in fastening up chemists' packages. Gummed tape is employed which can have printed on it any matter desired. As a substitute or alternative to string or sealing wax the method is well worth attention. Inquiries should be addressed to Messrs. John Goshon & Co., 82-85 Fleet Street, London, E.C.

COLES' SPIRAL-SPRING TRUSS.—It is nearly a century since this truss was introduced by the inventors and



patentees, Messrs. William Coles & Co., 5 Sackville Street, Piccadilly, London, W., and its form (as here illustrated in a double truss) is familiar to British chemists at home and abroad. The manufacturers have always insisted on the importance of hernia trusses being made for each individual case, and where possible they examine the patient, and when that is not practicable they provide instructions for measurement. In this they invite the co-operation of chemists, including those abroad, who may introduce customers visiting London, when a generous discount is given to the chemist. Messrs. W. Coles & Co. solicit correspondence on the subject.

THE "SOFTO" MANUFACTURING CO., 33 Edgware Road, London, W., have submitted to us samples of "Softo" for the hands, face-powder, and shampoo-powders as to which they are making special bonus offers in this issue. They are all excellent preparations, neatly and prettily but not extravagantly packed, for all the articles retail at exceptionally low prices, yet show vendors' profits of between 128½ to 200 per cent. on the bonus orders. "Softo" is a skin-coloured tablet enclosed in cardboard box, retailing at 1d., twelve being placed on an attractive card. Four dozen is given free with the first order for a gross (6s.). The face-powder is of the subtilissimus type, fragrant and in colour white, pink, and rachel. It is packed in a flat circular box lined with tissue paper, and artistically labelled. An attractive showcard is supplied, upon which two boxes can be displayed. It retails at 4½d. "Softo" shampoo-powder is not a mere water-softener, but is intended to make a liquid shampoo. It retails at 2d., or seven for 1s. In both these cases a bonus as generous as that of "Softo" is given, and showcards in all cases. The preparations may be obtained from the company.

PERSONALITIES.

Notes for this section sent to the Editor should be authenticated, and must not be in the nature of advertisements.

MR. W. R. SELLECK, Ph.C., has been elected President of the Stourbridge Chamber of Trade.

MR. CHARLES W. WHITE left London for Bombay by the overland mail on Wednesday, November 29.

MR. J. WINTER, chemist and druggist, Llandudno, has been elected President of the Llandudno Trade Protection Society.

MR. V. G. H. BARNES, chemist and druggist, Market Drayton, has been elected President of the local Tradesmen's Association.

ALDERMAN D. T. EVANS, chemist and druggist, Margate, has been re-elected Chairman of the local Town Council's Watch Committee.

MR. D. LLEWELLYN JONES, chemist and druggist, Colwyn Bay, has been elected a member of the committee of the Colwyn Bay Town Advertising Association.

MR. ALFRED MILLNER (of Sangers), 25 Garfield Road, Lavender Hill, London, S.W., has had an accident and may not get round all his ground before Christmas.

MR. HENRY KNOWLES, son of Councillor R. Knowles, chemist and druggist, Marine Road, Morecambe, has passed the Intermediate Law examination in both parts.

MR. E. H. STOREY, of Messrs. Bird & Storey, pharmaceutical and veterinary chemists, 42 Castle Street East, Oxford Street, W., has been re-elected Chairman of the Cemetery Committee of the St. Marylebone Borough Council.

MR. C. W. TURNER, chemist and druggist, Foregate, Worcester, has been elected unopposed to a vacancy on the City Council. This makes three chemist members on the Council. Councillor F. G. Acton, chemist and druggist, has been elected City Chamberlain.

MR. EDMUND JONES, chemist and druggist, Hanley, last week unveiled at the Masonic Hall, Hanley, a memorial tablet to the memory of the late Mr. E. V. Greatbatch. Mr. Jones was subsequently congratulated upon the eloquent speech he made.

MR. J. H. SMITH, Ph.C., Newark, proprietor of the Flydomo flypapers, has told a representative of the "Newark Advertiser" that the National Insurance Bill will be a very serious expense to him in his manufacturing business, and he has no way of getting back his money, as his work is done on the piece-work system. He estimates the cost to him as 1l. per week.

MR. ROBERT EDWIN WRIGHT, Government Pharmacist, Suva, Fiji, passed through Melbourne recently on his way to England on sick leave. His experience covers one of the earliest cutting firms in England, as well as Allen & Hanburys, Cooper's (Kensington), dispensing work at the Government Leper Asylum, Cape Colony, and two years or more as Government Pharmacist in Fiji.

MR. GEO. F. WESTLAKE, chemist and druggist, of the Cancer Hospital, Fulham, London, S.W., Past Master of the Galen Lodge, and founder of the Nosocomia Lodge, was installed its third Master on November 23. Among the guests were Mr. T. J. Winterton (Madras), Dr. A. Foerster, and Mr. G. R. H. Clark, Mus.Bac., Master of the Galen Lodge. The Nosocomia Lodge is composed of hospital officers, and is a very promising and flourishing one.



THE RT. HON. SIR J. T. BRUNNER, BART., AND SIR EDWARD EVANS.

At the annual meeting of the National Liberal Federation held at Bath on Friday, November 24, Sir John Brunner was elected President in succession to Sir William Angus. Sir Edward Evans has for many years been Chairman of the Council of the Federation. The above picture was taken by the Central News as they were coming out of the meeting on the Friday. Sir John Brunner is an original member of the Society of Chemical Industry, and Sir Edward Evans is President of the British Pharmaceutical Conference.

National Insurance Bill.

Proceedings in Parliament.

THE Bill as amended in Committee is a document of 124 pages, compared with 78 pages when first introduced. In the first instance it contained 87 clauses and schedules, now 109 clauses and schedules. Benefits are dealt with in five clauses, as before, and their administration in seven instead of five clauses originally. A clause has been interpolated between the original 1 and 2, and another between 5 and 6, with the result that the administration of medical benefit clause, like others after the original fourth, is shifted on two units. It is now Clause 16. The report stage of the Bill commenced on Tuesday, November 28. Up to the day before the only amendments to the clause were Mr. Peto's, as mentioned in our last issue, index folio 780. Negotiations were still going on between Mr. Glyn-Jones, Parliamentary Secretary to the Pharmaceutical Society, and the Chancellor, regarding amendments which it was understood that the latter was disposed to make in order to give effect to the representations made by the deputation from the Incorporated Society of Pharmacy and Drug-store Proprietors of Great Britain, Ltd., which waited upon the Attorney-General (Sir Rufus Isaacs, K.C., M.P.) at the House of Commons on Monday, November 6 (see *C. & D.*, November 11, index folio 711). With the object, apparently, of supporting Mr. Glyn-Jones the following circular letter was sent to certain M.P.'s:

NATIONAL INSURANCE BILL.

PHARMACEUTICAL DEPUTATION TO THE CHANCELLOR.

(June 1, 1911.)

November 27, 1911.

DEAR SIR.—You were good enough in July last to sign a memorial to the Chancellor asking that the dispensing of doctors' prescriptions shall be restricted to qualified chemists. We understand that the Government contemplate altering Clause 16 of the Bill, which was accepted by the Government and passed by the House after discussion. The effect of the proposed amendment will be (a) to alter the whole character of the provision for the supply of drugs and the dispensing of medicines to insured persons; (b) to constitute a grave danger to the public; and (c) to necessitate our uncompromising opposition to the Measure. We have asked Mr. Glyn-Jones to arrange for a meeting at the House of Commons of the members who signed the memorial, and you will doubtless receive a notice from him.

May we beg of you to attend, so that arrangements may be made to resist strenuously the proposed amendment.

I am, yours faithfully,

C. B. ALLEN

(President Pharmaceutical Society of Great Britain).

The meeting will not take place, as in the meantime an agreement was arrived at, and the Chancellor of the Exchequer's amendments to Clause 16 were published on Tuesday morning providing for unqualified panel, and on Wednesday provision was made for supply of medicines by doctors. In the following reprint of the clause, words proposed by the Chancellor to be erased are in brackets and underlined, and his new provisions are in italics:

(5) Every such Committee shall also make provision for the supply of proper and sufficient drugs and medicines and *prescribed appliances* to insured persons in accordance with regulations made by the Insurance Commissioners, which shall provide for the arrangements made being subject to the approval of the Insurance Commissioners, and being such as to enable insured persons to obtain from any [person] *persons, firms, or incorporate bodies* with whom arrangements have been made such drugs, medicines, and appliances [as may be] *if ordered by the medical practitioner by whom they are attended, and shall require the adoption by every local Health Committee of such a system as will secure—*

(a) The preparation and publication of lists of persons, firms, and bodies corporate who have agreed to supply drugs, medicines, and appliances to insured persons whose medical benefit is administered by the Committee, according to such scale of prices as may be fixed by the Committee;

(b) A right on the part of any [properly qualified] person [who is], *firm, or corporate body desirous of being included for the purpose of supplying such drugs, medicines, and appliances as such person, firm, or body corporate is entitled by law and authorised by the Committee to supply,*

in any such list as aforesaid, of being so included, except in cases where the Insurance Commissioners after inquiry are satisfied that [his] *the inclusion or continuance of the person, firm, or body corporate, in such list would be prejudicial to the efficiency of the service:*

Provided that—

(i) If the Insurance Commissioners are satisfied that the scale of prices fixed by the Committee is reasonable, but that the persons, firms, or bodies corporate included in any list are not such as to secure an adequate and convenient supply of drugs, medicines, and appliances in any area, they may dispense with the necessity of the adoption of such system as aforesaid as respects that area and authorise the Committee to make such other arrangements as the Commissioners may approve;

[(ii) The regulations shall prohibit an arrangement being made with a medical practitioner under which he is bound or agrees to provide drugs or medicine for any insured person without the consent of the Insurance Commissioners, which consent they shall not give unless the circumstances of any locality are such as to make it expedient to do so.]

(ii) *Except as may be provided by regulations made by the Insurance Commissioners, no arrangement shall be made by the local Health Committee with a medical practitioner under which he is bound or agrees to supply drugs or medicine to any insured person.*

(iii) Subject to the [foregoing provision as to dispensing by a medical practitioner] *regulations made by the last foregoing proviso, the regulations shall prohibit arrangements for the [supply of drugs and] dispensing of medicines being made with persons other than persons, firms, or bodies corporate entitled to carry on the business of a chemist and druggist [under the provisions of the Poisons and Pharmacy Act, 1908], who undertake that all medicines supplied by them to insured persons shall be dispensed either by or under the direct supervision of a registered pharmacist or by a person who, for three years immediately prior to the passing of this Act, has acted as a dispenser to a duly qualified medical practitioner or a public institution.*

(6) There shall in each year be paid to the local Health Committee for each county or county borough out of moneys credited to a society which has members resident in the county or county borough such sum in respect of the medical benefit [for every such member as] *of such members and the cost of administration thereof as may be agreed between the society and committee or, in default of agreement may be determined by the Insurance Commissioners.*

These alterations mean, substantially, that any person, firm, or corporate body not carrying on business in accordance with the Poisons and Pharmacy Acts may be put on the panel to supply drugs, medicines, and appliances, but only those who carry on business in accordance with the Acts may dispense medicines. Mr. James O'Grady, the Labour member for East Leeds, was one of those who introduced the Incorporated Society's deputation, and his plan to give effect to their desires is expressed in the following amendment proposed by him, the words to be inserted between "druggist" and "under" in paragraph iii:

Unless by a chemist, who, not being registered, can obtain a certificate from three medical men that he has accurately dispensed prescriptions for three years.

We are told that the Government was to adopt this until Mr. Glyn-Jones intervened.

Mr. James Boyton, M.P. for East Marylebone, proposes to add at the end of paragraph b the following words:

Subject to his right of appeal to the Council of the Pharmaceutical Society of Great Britain.

The terms of Mr. Peto's provision for apothecaries' assistants were given last week. He has put them down afresh showing where they should go in the clause. Mr. Glyn-Jones proposes to make similar provision in the following, to be inserted between paragraph iii, and sub-section (6):

(iv) *Nothing in this Act shall interfere with the right and privileges conferred by the Apothecaries Act, 1815, upon any person qualified under that Act to act as assistant to any apothecary in compounding and dispensing medicines.*

Mr. Glyn-Jones has also given notice of amendments to Clause 55 (local Health Committees) in order to secure representation of pharmacy on them by inserting the following words—"two" meaning two members:

two shall be elected in manner provided by regulations made by the Insurance Commissioners, either by any

association of persons, firms, and corporate bodies carrying on business as chemists and druggists in the county or county borough, or, if no such association has been formed, by such persons, firms, and corporate bodies.

Another amendment in his name reads: "Clause 55, page 60, line 27, after 'practice,' insert 'of pharmacists.'" This does not fit in at all, and is typical of other amendments which illustrate the high pressure and haste at which those concerned with the Bill are working. On Clause 58 Mr. Glyn-Jones is also making provision for local pharmaceutical committees, as noted in the *C. & D.*, November 18, index folio 746. He will also move the following local pharmaceutical committees clause:

(1) *A local pharmaceutical committee shall be formed in the area of each county and county borough consisting of persons engaged in the dispensing of medicines and the supply of appliances to insured persons in such county or county borough.*

(2) *The number of members of each pharmaceutical committee, the mode of election, and period of service of such members of such committee shall be determined by the Insurance Commissioners.*

(3) *The local pharmaceutical committee shall act as an advisory committee to the local Health Committee on all matters affecting the arrangements with persons, firms, or corporate bodies to dispense medicines and to supply the necessary appliances for the medical treatment of insured persons, and shall discharge such other duties and exercise such powers as shall be determined by the Insurance Commissioners.*

It is expected that the second reading of the Bill will be taken in the House of Lords on December 11, and that Lord Haldane will have charge of the measure during its passage through that Chamber.

THE INSURANCE COMMISSIONERS.

In the House of Commons on Tuesday afternoon the Chancellor of the Exchequer announced the names of the Insurance Commissioners. He said:

It is proposed to appoint Commissioners for England as follows:

Chairman.—Sir Robert Morant, K.C.B., Permanent Secretary to the Board of Education.

Commissioners.—Mr. John Bradbury, C.B., Principal Clerk of the Finance Division of the Treasury; Mr. D. J. Shackleton, Labour Adviser to the Home Office; Mr. J. Lister Stead, Secretary of the Ancient Order of Foresters; Miss Mona Wilson, an appointed member under the Trade Boards Act.

The Chief Registrar of Friendly Societies will be an *ex-officio* member of the Commission. The Secretary will be Mr. W. J. Braithwaite, an Assistant Secretary in the Inland Revenue Department. Another Commissioner will be chosen from the medical profession, but I am not able to-day to publish his name.

A report that Dr. Addison, M.P., is to be the medical Commissioner is denied.

APPLICATION TO IRELAND.

There is a difference of opinion, both inside and outside Parliament, regarding the exclusion of Ireland from medical benefit. Mr. O'Brien's party is opposed to the exclusion, as is also the British Medical Association, and the Medical Secretary of that body, Dr. J. Smith Whitaker, has written to Mr. John Redmond urging that medical benefit should be given to Ireland. It appears from this communication, which is to be printed in the "British Medical Journal" of December 2, "that the Irish medical men now withdraw any demand for a rate of remuneration to be fixed in the Bill, recognising that the terms of remuneration must depend entirely on the amount and nature of the work and other conditions of service. It appears to the Irish doctors that Mr. Lloyd George personally favours the extension of the medical benefit to Ireland, but deferred to the opposition of Mr. Redmond and his party, and an appeal is made to Mr. Redmond to press for an amendment restoring the benefit to Ireland." These movements are being watched with great interest by representatives of pharmacy and the drug-trade in Ireland.

THE MEDICAL POSITION.

What was probably the last interview between the Chancellor of the Exchequer and the representation of the British Medical Association took place at the House of Commons on Tuesday evening, when an agreement was

arrived at, *inter alia*, giving better representation to the faculty on the Health Committees, and giving a choice of benefit to those receiving benefits already from existing institutions. Under the new arrangements also an insured person may select his own medical man. Before this agreement had been arrived at, the Chancellor's amendments to Clause 16 (including the new paragraph iii.) had been put on the papers of the House.

The Medical Secretary of the British Medical Association has informed the "Globe" that the announcement as to doctors being satisfied is misleading and, in fact, incorrect. All that has happened is that the Council of the Association have duly submitted to the Chancellor of the Exchequer the amendments agreed to by the representative body last week, and the Chancellor has agreed to some of the points put before him, and has partially met others. "As the matter stands," added the Secretary, "the attitude of the profession towards the Bill must in any case, so far as can be foreseen, remain one of reserve and suspense until not only the Bill, but the regulations under the Bill, can be examined."

INTERROGATORIES.

IRELAND AND MEDICAL BENEFIT.—The Chancellor of the Exchequer was asked by Mr. Samuel Young, M.P., on Monday, whether he has yet received a communication from the medical profession of Belfast intimating their willingness to accept for Ireland the medical benefit under the Bill on similar lines to those applying in Great Britain.—The Chancellor replied that he had received a letter from the Belfast division of the British Medical Association to the effect that at a largely attended meeting of medical practitioners of the Association it was unanimously recommended that they favoured the inclusion in the Bill of medical benefits for Ireland under the same conditions as in England.

SHIPS' MEDICINE-CHESTS.—Mr. A. Fell, M.P. for Great Yarmouth, asked the Chancellor of the Exchequer on Tuesday if the medicine-chests kept on board fishing-boats will, when the National Insurance Act is in force, be supplied to them by the Insurance Committees, so that the crews, who will be insured persons, although they are deprived of medical attendance while at sea, may yet have the benefit of the drugs and appliances as some return for the payments to be made by them and by their employers under the Act.—The Chancellor replied that the Bill did not repeal or modify the obligation upon shipowners to supply medicines on board ship.—Mr. Fell: Will these fishermen get any benefit when on long voyages, say to the Orkney or Shetland Islands? Why should they not receive medical benefits?—The Chancellor: The owner is under an obligation to supply them with medical attendance on board ship.—Mr. Fell: The owner has to pay for that. Will he not be freed from that liability?—The Chancellor: The hon. gentleman apparently does not realise the basis of the scheme. That is what enables us to prepare a modified scheme in that case, because the owner does undertake a great responsibility. In law the scheme only deals with what is necessary to supplement legal obligations.

Apothecaries' Assistants.

A deputation representing the Society of Apothecaries and the Association of Certificated Dispensers, comprising Mr. A. Mowbray Upton, Clerk to the Society of Apothecaries; Dr. Gordon Brown, Past Master (in the unavoidable absence of the Lord Mayor) for the Society; Mr. Montagu G. Smith (Lewisham Infirmary), Chairman of the Association; Mr. H. H. Hewitt (Holborn Dispensary); Mr. F. E. Trayner (Hackney Infirmary), Vice-Chairman; Miss Ethel Cathcart (Royal Eye Hospital); and Mr. Albert Howell (Dalston Dispensary), Hon. Secretary, waited upon the Attorney-General in his private room at the House of Commons on Thursday, November 23, in order to urge the adoption of certain amendments to the Bill for the purpose of protecting the interests of persons holding the certificate in dispensing. The deputation received the most satisfactory assurances from Sir Rufus Isaacs that the Government had no intention of allowing the provisions of the Bill to prejudice the interests of the Society's dispensers, and while agreeing that Clause 14 as amended in Committee (now Clause 16) is unsatisfactory in this respect, undertook that the measure should be so further amended that these rights will be fully protected.

British Medical Association.

At the special representative meeting which was held in London on Thursday and Friday, November 23 and 24, Dr. E. J. Maclean (Cardiff) and Dr. Cochrane Buist (Dundee), Chairman and Vice-Chairman of such

meetings, presided alternately. Besides the recommendations, which were fully reported in the *C. & D.*, November 25, there was submitted to the meeting correspondence with the Chancellor of the Exchequer, and a long letter from him dated November 22, in which he dealt with the subjects of representations to him by the Association, *e.g.* :

Supply of drugs by the profession, Clause 14 (5) ii.

As to this, Mr. Lloyd George said: "I will be ready to propose an amendment to make it clear that the prohibition contained in this clause does not in any way extend to any arrangements that may be made by individuals—*e.g.*, those who under 14 (3) are making their own arrangements for medical attendance and treatment. As you have pointed out to me, there are cases in every locality where it will be necessary for the medical practitioner to supply medicines or appliances (*e.g.*, in night-calls and certain accidents), and when this is so, he should be paid for them. It will be necessary to amend the clause to meet these and other cases, and perhaps the best course will be to omit all the words after 'Insurance Commissioners.'"

The meeting appears to have been exceptionally prolonged, and the resolutions bearing upon the Council's recommendations were adopted, a final one being: "That the Representative Body give preliminary consideration to the organisation of the profession for the purpose of protecting their interests under the Insurance Bill."

"Punch" on Persons, etc.

We reported last week the question by Mr. A. C. Morton in regard to the position of patent-medicine vendors under Clause 14. "Toby, M.P." (Sir Henry Lucy), in his "Essence of Parliament" contained in "Punch" of November 29, makes the following reference to the episode, which is illustrated with one of Mr. E. T. Reed's striking sketches:

Marvel of prolonged episode is Chancellor of Exchequer. Not physically robust, he has not shirked an hour's attendance through the long tedious wrangle. True, when it recommenced to-day he showed some sign of being beaten at last. It was our old friend "Alpheus Cleophas," of whom not much is seen or heard in these dull times, who did it. It is not only in Committee that burden of the Bill rests on shoulders of Chancellor. At Question-time Gentlemen on both sides submit conundrums carefully drafted in solitude of their chamber, which they expect him to answer off-hand. This afternoon "Alpheus Cleophas" wanted to know "whether, in Clause 14, Sub-section (5) (a), page 14 of the National Insurance Bill as reprinted, the term persons, firms, and bodies corporate will include grocers holding patent-medicine licences and at present selling medicines and invalid-foods recommended by doctors?"

When the lists were reopened and the tourney recommenced, the Chancellor, temporarily knocked over by "Alpheus," bucked up again. To this end "Willie Peel" contributed a personal attack, to which he replied with vigour that might have suggested to the uninformed that it was his first and only speech for a fortnight. This effort turned out to be prelude to long, masterly defence of the clause which brings domestic servants within operation of proposed Act. Rewarded by seeing Ministerial majority run up to 146 in a House of 336.

WESTMINSTER WISDOM.

The Week in Parliament.

POISONS AND PHARMACY ACT, 1908.

A copy of Order in Council, dated November 10, 1911, making additional regulations under Section 2 of the Act (Licences to Companies, etc.) (see *C. & D.*, November 25, index folio 789), was presented to the House of Commons on Tuesday, November 28, and was ordered to lie on the table.

ORDER OF BUSINESS.

The Prime Minister announced in the House of Commons on the afternoon of November 30 in his analysis of Bills which it is possible to be proceeded with before prorogation of Parliament, that the Shops Bill required special treatment; but if the compulsory weekly half-holiday and the provision of meals did not clash, it would require a few hours only. It was proposed to take it on

Friday next week. Business would terminate on December 15, but the duration of the Session would be dependent upon the attitude taken up by the House of Lords. Next Session would commence on February 13.

SECRET MEDICINE INQUIRY.

Mr. Arthur A. Lynch, M.P., who was interviewed last week by our Parliamentary representative on the subject of the forthcoming secret medicine inquiry, desires to correct a misapprehension which may have arisen from an editorial comment in the *C. & D.*, that "extremists like Mr. Lynch seem to be incapable of discrimination when they deal with the subject." The hon. member declares that he never asserted anywhere that all patent medicines are without value. He added that it is quite usual for physicians to prescribe them where they find them to be necessary, but he disclaimed altogether the assertion that he is an extremist in the matter, a description which he considers to be quite unwarranted.

QUESTIONS AND ANSWERS.

CARAMEL WRAPPING.—The President of the Local Government Board was asked in the House of Commons on Monday by Mr. E. Harvey, M.P., whether his attention had been called to the conditions under which caramel wrapping is stated by the medical officer for Islington to be carried on in certain homes; whether he was aware that the work is done by persons suffering from infectious diseases, and is therefore calculated to convey infection to the customer; and whether any steps are being taken to deal with the matter.—The Home Secretary replied that he proposed to issue at once a draft order extending the provisions of Sections 107, 108, and 110 of the Factory Act to the wrapping of some cheap kinds of sweets by outworkers. There was no power under the Truck Acts or any other Acts to deal with the checking of the weights by which these workers are paid, but the general question of check-weighing had been under consideration, and legislation was in draft which would give the necessary powers. Meanwhile, he proposed to extend the Particulars Order under Section 116 of the Factory Act, which was in force as regards the sweetmeat industry, so as to cover these outworkers.

THE OPIUM CONFERENCE.—Mr. Mitchell-Thomson, M.P., asked the Foreign Secretary in the House of Commons on Monday whether in view of the fact that the British delegation to the Shanghai Opium Conference consisted of five members, it is proposed to nominate a fifth British delegate to the Hague Conference. Mr. J. King, M.P., also asked whether the Foreign Secretary would appoint a fifth representative, preferably a gentleman of commercial standing, to the Hague Conference.—Mr. Acland replied that the question of the representation of H.M. Government at the Opium Conference at the Hague had received careful consideration, and it was not thought that any useful purpose would be served by further increasing the number of British delegates. To Mr. Mitchell-Thomson Mr. Acland said he understood that the reason why the British delegation on the Shanghai Opium Commission consisted of five members was that one of the delegates, Mr. Mackenzie King, specially represented Canada, whereas, on the present occasion, none of the self-governing Dominions have, in reply to the inquiry addressed to them by H.M. Government, expressed a desire to be represented.

THE SHOPS BILL.—Mr. Harold Smith, M.P., asked the Home Secretary in the House of Commons on Monday whether the word "occupier" in Clause 2 of the Shops Bill includes the manager of a shop the business of which is not personally conducted by the employer.—Mr. McKenna, in reply, said he was advised that the answer was in the negative, and that in such a case the employer is the occupier of the shop for the purposes of the clause. Replying to a further question by the Hon. Harry Lawson, Mr. Churchill, who is in charge of the Bill, said he would circulate a memorandum showing what changes had been made in Grand Committee.

PARCEL-POST RATES WITH THE UNITED STATES.—In the House of Commons on Wednesday Mr. C. Roberts, M.P., asked the Postmaster-General whether his attention had been called to the fact that parcel-post rates from this country to the United States are higher than those from Germany, and whether he is able to take any action in the matter.—The Postmaster-General announced, in reply, that the negotiations with the United States Post Office had been successful, and that as a result the rates on parcels sent from the United Kingdom by the official service would be reduced on December 1. The present rates are: Up to 3 lb., 1s. 6d.; up to 7 lb., 2s. 6d.; up to 9 lb., 3s. 6d.; and up to 11 lb., 4s. 6d. The future rates would be: Up to 3 lb., 1s. 3d.; up to 7 lb., 2s. 3d.; and up to 11 lb., 3s. 3d.

"National Formulary."

THE following are further new formulas for this work (see *C. & D.*, November 4, index folio 683), being a selection from a number communicated to us. Criticisms may be sent to the Chairman of the Committee, Professor C. Lewis Diehl, 932 Cherokee Road, Louisville, Ky. :

LIQUOR PEP SINI ANTISEPTICUS.

Pepsin	...	...	50 gm.
Menthol	...	...	0.5 gm.
Eucalyptol	...	...	0.5 c.c.
Oil of betula	...	...	0.5 c.c.
Alcohol	...	...	10 c.c.
Glycerin	...	...	50 c.c.
Diluted hydrochloric acid	...	...	20 c.c.
Purified talc	...	...	50 gm.
Distilled water, a sufficient quantity to make	...	...	1,000 c.c.

Dissolve the pepsin in 800 c.c. of distilled water, add the diluted hydrochloric acid and glycerin. Then dissolve the menthol, eucalyptol, and oil of betula in the alcohol, mix this liquid with the pepsin solution and add sufficient distilled water to make the product measure 1,000 c.c. Finally, mix the purified talc with the solution and filter, returning the first portion of the filtrate until the liquid is clear.

OLEUM RICINI AROMATICUM.

Saccharin	...	...	0.5 gm.
Oil of cinnamon	...	...	1.5 gm.
Vanillin	...	...	1 gm.
Cumarin	...	...	0.1 gm.
Alcohol	...	...	40 c.c.
Castor oil, to make	...	...	1,000 c.c.

Dissolve the oil of cinnamon, saccharin, vanillin, and cumarin in the alcohol and all the castor oil, and mix thoroughly.

SYRUPUS AMMONII HYPOPHOSPHITIS.

Ammonium hypophosphite	...	...	32.5 gm.
Diluted hypophosphorous acid	...	...	2 c.c.
Distilled water	...	...	100 c.c.
Glycerin	...	...	100 c.c.
Compound spirit of vanillin	...	...	2 c.c.
Syrup, to make	...	...	1,000 c.c.

Dissolve the ammonium hypophosphite in the distilled water, add the diluted hypophosphorous acid, filter, and then add the glycerin, compound spirit of vanillin, and sufficient syrup to make the product measure 1,000 c.c.

TINCTURA DELPHINII.

Larkspur-seed, in No. 30 powder	...	...	100 gm.
Alcohol, to make	...	...	1,000 c.c.

Made by percolation. Rarely used internally, but is commonly employed externally to destroy parasites.

TINCTURA SABALIS ET SANTALI.

Sabal, in No. 16 powder	...	...	200 gm.
White sandalwood, in No. 60 powder	...	...	65 gm.
Alcohol,	...	...	...

Water, of each a sufficient quantity to make ... 1,000 gm.

Percolate with a menstrum composed of alcohol four volumes and water one volume

Formulas are also provided for liquor sodii chloridi physiologica, liquor picis carbonis, ext. cinchonæ liq., pil. digitalis scillæ et hydrargyri, pil. opii, digitalis et quinina, syr. papaveris, tr. opii crocata, tr. cacti grandiflori, tr. cocciuli indicis, tr. passifloræ, and tr. pulsatillæ. These present no novel features.

At the meeting of the Washington City Branch of the American Pharmaceutical Association on November 18, the question of formulas for alcoholic preparations was fully discussed. Mr. Lyman F. Kebler stated that the Internal Revenue Department had been severely hampered in their campaign against alcohol-containing nostrums by the inclusion in the Pharmacopœia and in the "National Formulary" of such a number of alcohol-containing preparations which are used as tipples. One of the most widely abused of these preparations, he asserted, is the beef, wine, and iron of the "National Formulary." Druggists in many sections of the country are regularly advertising this preparation at 25c. per pint bottle, and in prohibition districts particularly it is a popular beverage. It was ultimately resolved that the alcohol in all "National Formulary" preparations be reduced or eliminated wherever not actually necessary as a solvent.



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INFORMATION WANTED.

We would be obliged if any reader would inform us by post-card or telephone who are the makers or agents of the articles mentioned in the following inquiries received since our last issue:

- 251/170. Dunn's saline.
- 251/17. Dr. Annett's vaccine.
- 245/36. Pine ovoids: makers.
- 248/6. Shaw inhaler: suppliers.
- 249/431. Weston's "Lezantol."
- 249/430. Curtice's cod-liver oil and malt.
- 249/48. Deutsch Anilin Fabrik A. G.: address.
- 249/47. Renshaw's "Monakine": London supply.
- 249/49. "Isotone" or "Izotone," a dental anæsthetic.
- 246/2. "Humby's Laming Oils": address of makers.
- 251/18. "Splendid" and "Hot-a-Kold" vacuum flasks.
- 250/65. Address of "Pollock & McDonald": suppliers of fuller's earth.
- 249/43. Packers of perfumes in miniature beer-bottles with "Bass" label.
- 249/16. Address of Seymour Ellis & Co., makers of skin-ointment (formerly of Hammersmith).

INFORMATION SUPPLIED.

During the past week we have answered inquiries as to where the following articles can be obtained, and in many cases we have given the actual makers. The information will be repeated to any other inquirers who send to this Department a stamped and addressed envelope for the purpose.

- Almozoïn, 244/40
- Aperient chocolates, 247/57
- Automatic bottling machines 244/21
- "Bee" brand sealing-wax, 245/74
- Bone marrow, 245/35
- Boucard's "Lactool," 246/52
- British Red Crescent Society, 246/70
- "Bromo" toilet-paper, 243/8
- Burney Yeo's Solutions (for inhaler), 249/50
- Copeman's antidistemper serum, 243/29
- Corks for burst-offs, 246/14
- Courtice's preparations, 249/43
- Curexa, 245/530
- Cusylol, 246/53
- Diapepsin, Pape, 246/670
- Dentacura, 244/24
- Fougere's preparations, 245/37
- Freck tablet-machine, 246/69
- Glass window strips 20/37
- Humby's Evil mixture, 5/30
- Ice-making machinery (for India), 245/7
- Johnson's caustic pencils, 247/431
- Lamotte's perfumes, 244/59
- Lavona de Composee, 246/68
- Laxinc, 249/33
- Ligroïne, 244/39.
- Mason's carbolie preparations, 246/64.
- Mechanical window displays (special designs), 247/49
- Meister, Lucius & Brüning (London address), 249/41
- Metal-polish tins, 247/6
- Omnopon, 244/26
- Palette-knives for chemists, 241/74
- "Peralia" perfumes, 247/430
- Poison-bottle (Reg. No. 461701), 246/6
- "Puritas" soaps, 247/17
- "Regal" perfumes, 249/431
- Saxolite, 247/41
- Sanol, 246/20 and 247/56
- "Sea Foam" shampoo, 246/640
- Setterie's preparations, 243/7
- Sleeping-socks, 248/26
- Smith's "Wonder Worker," 248/55
- Statham's chemical cabinets, 246/16
- Stearn's headache-cure, 247/58
- Tablet-makers (for export), 244/251
- Thelma, 243/26
- Thelton, 243/26
- Thyroglandin, 246/67
- Tin bottles, square, 245/62
- Toilet-paper (special kinds), 248/550
- Trilene tablets, 247/43
- Trusses (marked "C & S."), 246/62
- Turkey red oil, 249/59
- Vacuum flasks, makers, 242/27
- "Velvene" preparations, 249/430
- Vi-quinine, 246/531
- "W" brand glass bottles, 247/600

PRACTICAL RESULTS.

From an Importer of American Proprietarys:

"We thank you for giving our name to Messrs. — — —. You will be pleased to hear we have received an order from them." (246/34.)

OBSERVATIONS & REFLECTIONS.

By Xrayser II.

The Medical Agitation

against certain proposals in the Insurance Bill, and in particular in favour of allowing medical men to dispense their own prescriptions, dwarfs for the moment all other considerations. I have insisted in this column from time to time that the Bill is not yet out of the wood, and I sincerely hope that pharmacists have kept their powder dry and that they have this week used it effectively, for it is probable that before these lines appear the final struggle in the Commons will have taken place. Let us hope that Mr. Glyn-Jones has once more scored a victory.

Mr. Guthrie's Paper

on Dispensing Charges, and the discussion that followed, afford matter for a supplement to what was said here last week on the subject. It may be laid down as an axiom that no terms can be satisfactory that do not leave us a substantial profit on the work done. Our business cannot be carried on successfully upon the principle of throwing away a sprat to catch a mackerel, for the very good reason that, speaking generally, there are no mackerel for us to catch. The biggest fish we can hope for is this very business of dispensing; if that does not, in and by itself, pay us, no side-lines it may help us to develop can possibly make it worth having. The fact that under the Act we shall do a good deal more dispensing than has fallen to us lately will enable us to do it at a somewhat lower rate, and the difficulty of deciding what that rate must be is mainly due to our inability to estimate the increase in business. I have had

Arrangements for Dispensing

at a fixed charge with several doctors, and have found that, allowing for exceptionally expensive ingredients, a rate of 6d. and 8d. respectively for 6-oz. and 8-oz. mixtures has paid me reasonably well. I do not, of course, advocate such a system now, but I think my experience may be taken to prove that some suggestions that have been made are extravagant. We must ask ourselves not only what is the least we can afford to accept, but also what is the most we are likely to get? There is a great deal of force in what Mr. Guthrie said about "changing money from one pocket to another"; much of the business we get under the Act will simply displace old business, and we must in our demands allow for that fact. After all, some such scheme as that outlined by Mr. MacPherson at Edinburgh the week before last seems to me the best yet put forward. I believe the charges he tentatively suggested would pay us very well, and they certainly cannot be called unreasonable. His plan is a little cumbrous, as I said last week, but the different grades of drugs which he proposes are not essential to the scheme. If his medium rate of profit on wholesale prices were adopted throughout, with an exception against proprietary articles, everything would be simple enough. The great advantages of his scheme are its elasticity and universal applicability.

"Another Fifer"

appears to dispute the accuracy of my remark that "the community is never consciously unjust to those who do its work." Surely this is a truism that requires no proof; if it is not, our boasted civilisation is simply chaos writ large. My critic has also forgotten that he who plays at bowls must expect rubbers. Any writer who puts forward his views in the public Press must be

prepared for criticism, and no sensible man will resent fair criticism. The author of an anonymous statement is, however, entitled to resent the subsequent publication by another party of his name, and Mr. Storrar has just cause to say "Save me from my friends." May I say that I did not know the writer of the letter I was criticising, nor had I formed any opinion whatever on that point? My observations were purely impersonal, and, of course, they were not directed against Mr. Storrar or any other man.

From Errand-boy to President

of a Chemists' Association is not such a common occurrence that we can afford to neglect the opportunity of offering to Mr. Eastland, of Margate, our very hearty congratulations. The brief record of his busy life in your issue last week is just the sort of thing that might be written of very many country pharmacists, and it is such lives as these that create and foster in the public mind the idea that the seller of drugs is something apart from the common or garden shopkeeper. These "village Hampdens" deserve to be honoured for their work's sake, a work that is often carried on patiently, manfully, and unostentatiously.

Dr. McWalter's Question

opens up a difficult subject. Personally I am inclined to think the prescription he refers to might safely have been dispensed if a measured drachm had been insisted on as the dose. I have known as much laudanum as would then have been taken given to very young children without injury in cases of acute diarrhœa; but obviously the responsibility of deciding doubtful cases ought not to be thrust on the dispenser. The prescriber should have initialled the item; this, however, doctors rarely do. The difficulty with regard to the subject generally is that doctors cannot always be referred to, and are sometimes anything but helpful when they can. I was once consulted by a neighbour who had been presented with a prescription for a child containing 15 grains of carbolic acid in each dose of 60 minims. Of course, I recommended reference to the prescriber, who lived close by, but my friend absolutely refused to follow this advice; he had, he said, been sufficiently insulted once before on a similar occasion. Ultimately he declined to dispense the prescription at all. Another case, in which the doctor was actually consulted and tore up the prescription in a rage, with the remark that any fool would have known what was meant, occurred in the same neighbourhood a few weeks afterwards, I having been again asked what should be done. The latter was not a serious blunder on the doctor's part, and I had counselled my friend to use his own judgment; but, although there was some point in the doctor's remark, his conduct was inexcusable. One of the very latest prescriptions I have dispensed ordered 30 grains of carbonate of ammonia to be taken every four hours; and not very long since a neighbour consulted me with regard to one in which $\frac{1}{4}$ grain of hyoscyamine was ordered for a dose. In each case reference to the doctor was impossible. Each of these prescriptions had previously been dispensed elsewhere; they ought certainly to have borne some indication of the manner in which these errors had been corrected.

"DISEASES AND REMEDIES."—The fourth edition of this useful book for chemists has recently been published by the C. & D. It is a concise survey of the most modern methods of medicine, telling the nature of ailments and describing the methods of treatment. The fourth edition has been carefully revised by a general medical practitioner, and certain parts of the book have been entirely rewritten. It is published at 3s. (by post 3s. 3d.), and can be obtained from the C. & D. offices in London or Australia and from the wholesale and sundries houses.

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LIQUORS

Editorial Articles.

Dutiable Medicines.

At the present time, when the Excise authorities are looking so closely after the vending of dutiable medicines and those which are supposed to be, it behoves all who may legally vend such medicines to be most careful that they do not violate the law. It is not difficult with the aid of the *C. & D. Diary* to determine in most cases whether an article is dutiable or not, but occasionally cases arise in which it is difficult even for experts to say in what category certain articles fall. We have an excellent illustration of this in a powder sold by a registered chemist as a known, admitted, and approved remedy, and labelled substantially as follows:

THE "A.B.C. SPECIAL" POWDER FOR ADULTS.

One powder to be shaken on to the back of the tongue and swallowed with a little water.
A second powder must not follow the first under three hours, should a second powder be required.

A formula number is also given on the powder envelope. The question put to us was whether, in view of the fact that the Revenue authorities regard the word "specialties" applied to medicines as making them proprietary and, therefore, dutiable, the title of the powders would make them proprietary, and therefore exclude them from the exemption as to known, admitted, and approved remedies. Now, careful examination of the wording (and in this we have taken the opinion of counsel) shows that it does not bring the powder within any of the four principal heads of liability—viz.:

1. It is not a secret preparation.
2. No claim to proprietary rights is made.
3. It is not a patented medicine.
4. It is not held out or recommended as a specific for any human ailment.

Consequently the powders are not liable to medicine stamp-duty, and the question of exemption does not arise, so that a formula number upon the packet is unnecessary, unless the maker or vendor in some manner recommends them under the fourth heading. There can be no exemption in the case of medicines which are within the first, second, or third grounds of liability. In this connection we may state that the *C. & D. Diary* for 1912 will contain a diagrammatic method of finding out the liability or otherwise of medicines, which should be of great service. There are also certain questions which are serviceable for

guidance as to liability of medicines sold in enclosures—viz.:

- A. Is it mentioned by name in the 1812 Schedule?
- B. Is it a mixture, pill, etc., sold in an enclosure?
1. Is it patented?
2. Is it sold under description as to secret in manufacture?
3. Is it sold under description as to proprietary right?
4. Is it recommended as beneficial in human ailments?

A reply in the affirmative to A is final; the article must be stamped. Dutch drops and Hooper's Female Pills are examples of articles which must be stamped under any circumstance. If the answer to B is in the affirmative, then liability depends upon the answers to 1, 2, 3, and 4, and we have given an example of the application in the case of the powder. In connection with the sale of exempted medicines we were recently asked if Bland's Pills B.P. can be sold in a grocer's shop which is not licensed for the sale of stamped medicines. It is well known that unstamped exempted medicines may not be sold by grocers, and as soon as medicines are stamped grocers need a licence to sell them. In August 1904 we received from Somerset House a letter regarding Gregory's Powder and Bland's Pills, informing us that they are exceptions to the rule that the use of the possessive case involves stamping, and that the powder and pills are exceptions "because both are British Pharmacopœia preparations, of which the composition is a matter of common notoriety." As the whole letter indicated that Bland's Pills were then regarded as a known, admitted, and approved remedy which may be sold only by qualified chemists, persons who have served an apprenticeship to such, and by companies who carry on business in accordance with Section 3 of the Poisons and Pharmacy Act, 1908, we wrote to the Board of Customs and Excise on November 7 asking an authoritative statement on the point, and have received the following reply:

No. 36940 *Custom House, London,*
1911 *21st November, 1911.*

SIR,—In reply to your letter of the 7th instant, I am directed by the Board of Customs and Excise to state that, in accordance with the letter from the Inland Revenue Department of the 11th August, 1904 (23230/04 S), they do not regard the description "Bland's Pills B.P." as involving a claim to a proprietary right.

So far, therefore, as this description is concerned, it would not of itself involve liability to medicine stamp-duty; but if the article is recommended for the prevention, cure, or relief of any diseases, etc., it would be liable to duty when sold by unqualified vendors, even though the recommendation was not affixed to the actual box or other enclosure in which the pills were sold.

I am, Sir, your obedient servant,

J. P. BYRNE, Secretary.

The reply is sufficiently explicit to show that Bland's Pills do not become dutiable and that the exemption provisions do not apply until they are recommended; therefore they may be sold by unlicensed persons.

The late Mr. E. N. Alpe stated in his "Handy-book" that "preparations to be mixed with the water of the bath are not within the charge of duty *under any circumstances*" (p. 61). This view is no longer held by the Revenue Department, a fact which Messrs. F. Newbery & Sons, Ltd., have recently elicited in a correspondence with the Board of Customs and Excise regarding a label, the wording of which was substantially as follows:

Comfort for the Feet.

FOOT-BATH TABLETS.

No more

Blistered, Tired, Chafed, Tender, Swollen, or Aching Feet.
One tablet in a quart of water.

The Board's reply was that the label would render the preparation liable to medicine stamp-duty, whereupon Messrs. Newbery wrote saying that they

"thought it probable that the preparation was *not* within the provision of the Medicine Acts. The tablets are an

addition to the foot-bath, and such preparations are, we understand, not within the charge of duty under any circumstances."

The reply (27475/1911) was as follows:

Gentlemen,—With reference to your letter of the 4th instant, I am directed by the Board of Customs and Excise to transmit the enclosed memorandum as to medicine stamp-duty, and to draw your attention to the paragraph as to toilet articles on page 6.

The Board cannot regard a preparation recommended for the relief of blisters as other than medicinal.

I am, Gentlemen,

Your obedient servant,

J. P. BYRNE, Secretary.

"Toilet articles are not liable unless sold as a medicine or medicament, or recommended as preventing, curing, or relieving any ailment or disorder, but many of these preparations are rendered liable by being recommended for the prevention or cure of chilblains, toothache, neuralgia, etc." (Memorandum, page 6.)

Messrs. Newbery again wrote to the Board, quoting Alpe's statement, and his explanatory examples for gout, rheumatism, lumbago, etc., adding "the tablets referred to in our inquiry are simply compressed powder to be dissolved in the water of the bath, and we still venture to think they are exempt from liability to medicine stamp-duty." The Board's reply was laconic, yet specific, viz.:

Gentlemen.—In reply to your letter of the 8th instant, I am directed by the Board of Customs and Excise to inform you that the Medicine Stamp-duty Acts do not contain any exemption from duty in favour of "preparations to be mixed with the water of the bath."

I am, Gentlemen,

Your obedient servant,

E. C. CUNNINGHAM, Secretary.

This, of course, is final. We may point out that whatever the practice of the authorities may have been in Alpe's time and up to July 1909, the decision by the Divisional Court of King's Bench in *Harding v. Migge* brought within the dutiable net substantially every chemical and official preparation to be used externally or internally as medicines for the prevention, cure, or relief of human ailments. The Board appears to regard mention of ailments as equivalent to use as medicine, following Mr. Justice Darling's dictum:

"The food in question had been advertised and held out as a cure for headaches and other maladies, and therefore it came within the words of the statute."

German Spirit Ring.

As foreshadowed in our issue of November 18 (index folio 758), the protracted and difficult negotiations carried on by the German Spirit Centrale with certain "outsiders" have at last been concluded, and the control of the "Ring" over practically the whole German industry has to all intents and purposes been completed, there being but two minor concerns outside the Centrale. One of these is Julius Wrede, of Peine, and the other the firm of A. Wolff Junior, of Breslau. The latter concern has doubtless been prevented from falling into line so far, because of the long-time contracts it has entered into with a number of large distilleries, while its attention is largely confined to refining operations. The circle of customers of this firm, or its outlet, is not such that is calculated to be of any material importance or value to the Syndicate, were its adhesion secured. Should, however, an agreement follow at any time on the part of this firm with the "Ring," the creation of a State monopoly for the refining of spirit would probably only be a question of time. Reports giving particulars of what has been lately accomplished by the negotiations in one direction or another for the completion of the "Ring" were somewhat conflicting, but

a subsequent official statement issued by the Spirit Centrale is as follows:

"The outside group of the 'Associated North and South German Spirit Works' and the Bast Yeast Manufacturing Works, of Lichtenberg, Berlin, has joined the Spirit Centrale, this step having been helped by the strong wish expressed by the whole of the German distillery industry not to add to the difficulties caused in the inner circles of the industry by the new Spirit-duty Bill. The contract concluded with the Bast Co. includes also the adhesion of a number of South German spirit-manufacturers affiliated with the above important group. Simultaneously, a number of other 'outside' North German manufacturers of less importance have entered into an agreement with the Centrale."

It is remarked that the peace and unity which are now assured in the spirit industry should be conducive to the interests and aims of all manufacturing branches which, heretofore, like the organisation of the distillery branch, have met with difficulties caused by the dissensions among the distilleries and the manufacturers. Further details which are not given in the official statement referred to, are to the effect that the Schlawe combination has also entered the "Ring" and continues its operations, as well as a Silesian firm, while a small refinery in Koenigsberg has been bought out and closed down. Further, it is understood that the Lichtenberg, Nuremberg, and Schwetzingen refineries, owned by the "Associated North and South German Spirit Works," have been leased to the Spirit Centrale under a complex arrangement. The Riemerschmid refinery of Munich has been closed by the Centrale, while the Macholl-München Works has been acquired by the Centrale, and the latter are now extending the rectification installations there. Should the Centrale not be renewed in 1918, these works are to be re-acquired by the Bast Co. at a certain price. The management of the latter company appears to make capital out of these arrangements, and hopes that this will result in better dividend-distributions by the company, whose last dividend was 10 per cent. Outside opposition to the Centrale has now ceased, and the distilleries whose dissatisfaction with the spirit-duty is growing are unlikely to oppose the veto to the monopoly. Consumers are thus left alone to agitate against it. The danger that the question of the monopoly may again spring up in the near future has to be kept in view, inasmuch as it was reported in South Germany that even those members of the State Federal Council, who heretofore were opposed to a monopoly, are now said to have altered their views. If the negotiations have actually made so much headway as is apparent from recent reports, the companies interested should, it is suggested, lose no time in giving publicity to the probable results of the deal which is of so great importance in many industrial circles.

A Remnant.

We print elsewhere in this issue a narrative of the amendments to the Medical Benefit clause of the National Insurance Bill, which have turned the clause upside down so far as the pharmaceutical principle is concerned. Any person, firm, or company, irrespective of qualification, is now to be admitted to the local panels for the supply of drugs, medicines, and appliances. We should have been pleased to say that the reservation of the dispensing of medicines to qualified persons is an acknowledgment by Mr. Lloyd George of the existence of the Pharmacy Acts, and those who have conformed with its provisions, but this we cannot say, for political and party expediency was solely the final determining factor. There appears to be a feeling abroad that something may still be done by registered chemists, but the public statement by Mr. Ryner Young at Lancaster on Wednesday evening sets the official

seal upon "the compromise." His remarks would have been better left unsaid. Any concerted action which might be taken now would be with full knowledge of the fact that it would be in direct opposition to the Pharmaceutical Society, and, so far as the Government is concerned, would be met with the obvious reply that the matter is officially settled.

Homoeopathic Tinctures.

It is a somewhat common error to suppose that homoeopathic preparations of scheduled poisons need not be treated according to the provisions of the Pharmacy Act, 1868, Section 17. A decision to the contrary was given last week by the Hon. John de Grey at the South Western Police Court, when the Pharmaceutical Society sued Parke's Drug Stores, Ltd., for the sale of mother tincture of aconite without making the poison-book entry necessary for a Part 1 poison. It appeared from the evidence that the sale was made at the company's branch at 313 Lavender Hill. The facts were not disputed, and the Magistrate imposed a fine of 3*l.*, and 2*l.* 2*s.* costs.

Revenue Figures.

A White Paper has been issued in which are given the gross and net receipt of duties, taxes, or imposts collected by officers of Inland Revenue, Customs and Excise, and other Imperial officers. Some of these figures differ from those already published (*C. & D.*, October 28, index folio 647), and others are new. For example, the 49,837 proof gals. of spirit imported for methylation in 1910-11 paid 1,038*l.* of duty (5*d.* per proof gal.). The 4,129 proof gals. of spirit used in art or manufacture paid 86*l.* Of perfumed spirits 33,274 gals. was imported, the gross receipts being 40,052*l.* from 24*s.* 1*d.* per gal. and 1,518*l.* from the shilling extra charged on bottled perfumes. Duty amounting to 635*l.* was paid on spirit samples. The imports of transparent soap (spirit-made) amounted to 10,851 lb. The sugar statistics include some items allied to the chemical and drug trades—*e.g.*, 685,396 oz. of saccharin and 4,447 cwt. of tamarinds. In the Excise figures we note that the gross receipt from the sale of patent-medicine stamps was 326,107*l.* 8*s.* 4½*d.* and the net 325,646*l.* 4*s.* 7½*d.*, while the licences yielded 10,676*l.* 5*s.* gross and 3*l.* less net. The report contains similar details in regard to every Revenue item, as well as the postal and telegraphic services.

Carbon-dioxide Anaesthesia.

According to the "British Medical Journal" (1911, II., p. 1434) carbon dioxide was the earliest anæsthetic, and was employed by Hickman, a London surgeon, in 1828. He published his results in a letter to the French Academy of Medicine. Mr. C. J. S. Thompson, who is engaged in researches on behalf of Mr. Henry S. Wellcome for the Historical Medical Exhibition to be held in 1913, supplies further particulars. It appears that Mr. Hickman was originally in practice in Ludlow, and as early as 1824 he made experiments on animals with a view to anæsthesia. In 1828 he went to live in Paris, and towards the end of that year, in reply to a petition presented by him to Charles X., he obtained permission to demonstrate his method before a committee appointed by the Académie de Médecine. The committee consisted of MM. Dubois, Richerand, Merat, Segalles, and Ribes. Mr. Thompson says that in a report made to the Académie by M. Geraldin—which is still extant—it is stated that Mr. Hickman "has discovered a means of producing unconsciousness in individuals who have to submit to major surgical operations. The method consists in methodically introducing certain vapours into the lungs. Mr. Hickman has already tried the method on

animals, and he wishes to carry out the experiment before the celebrated surgeons of the capital." Whether he had the opportunity of doing so, and with what result, is not stated.

Java Essential Oil.

One or two lines were accidentally dropped from the note on the essential oil of *Litsea odorifera* in the *C. & D.*, November 25, index folio 787. The last sentence should read as follows:

The alcohols found in this oil are (1) methyl-nonyl carbinol, which is levorotatory, $\alpha_D = -5^\circ 40'$, and (2) methyl-nonylene carbinol, an unsaturated fatty alcohol of specific gravity 0.835 at 10° , optical rotation $-5^\circ 10'$, and boiling-point 233° .

Use of the Geneva or Red Cross.

The following is the text of a letter which has been issued to chemists and others who have written to the Army Council in regard to the use in trade of the Geneva red cross or the words "Red Cross" or "Geneva Cross."

War Office, London, S.W.

November 1911.

SIR,—Referring to your letter of November 1, 1911, I am commanded by the Army Council to acquaint you that, having regard to the terms of the Geneva Convention Act, 1911, and as to the provision as regards registered marks of Section 1 (3), the limit of the period of grace within which the use of the emblem of the Red Cross or the words "Red Cross" or "Geneva Cross" will be authorised by the Council is four years from the date of the passing of the Act.

After full consideration the Council are prepared to recognise that it would not be equitable to require the discontinuance of the marks at varying dates which might constitute a discrimination between users, and they have accordingly decided to raise within the specified limit of time no objection to the use of the marks and designs prohibited by the Act.

The concession of the full period will, in the Council's opinion, enable all users—whether wholesale or retail dealers—to dispose satisfactorily of existing stocks. At the close of the period the use of the emblem, including the words, will be reserved for the special purpose contemplated by the Legislature and the signatories to the Convention, and no permission to use it for any commercial purpose whatever will be accorded. I am, Sir, etc.

The period of grace will extend to August 18, 1915. The terms of the Act and of the letter do not permit the use of the emblem and words by any person, firm, or company unless the emblem or words form part of a registered trade-mark. This is not a satisfactory reply as regards unregistered marks, and we have again written to the Secretary about the matter.

Protected Alcohol.

By An Expert.

THE Legislature has of late years shown very commendable wisdom in the encouragement it has given to the use of spirits in industrial enterprises. The Finance Act of 1902 allowed pure spirits to be used duty free in arts and manufactures, while the Revenue Act of 1906 made provision for the manufacture of a specially denatured type of methylated spirits to be used in home industries, and at the same time granted a special allowance of 3d. per proof gallon on the spirits so methylated and upon all spirits used duty free under the Act of 1902. The result has been in some directions satisfactory, but on the whole by no means commensurate with the extent of the concessions granted by the Legislature. In hardly any case is it more disappointing than in that of the manufacturing chemists, in the preparation of many of whose products, such as tinctures, medicinal spirits, and essences, spirits play so important a part. The advantages intended to be given by the Acts appear to have done little or nothing towards fostering the trade in spirit-products carried on by manufacturing chemists, and we naturally turn to seek some reason why a body of men whose energy and enterprise had, even before the 1906 Act, built up so considerable a foreign trade in tinctures were not more benefited by concessions which seemed expressly adopted to meet their special needs. The reason is not far to seek. The advantages intended have never reached them, having been intercepted on their way by a

trade combination which chance or design has put in a position to absorb the whole of the benefits intended to flow from the Acts to users of spirits of wine. A distillers' ring are enabled to exploit the law to the detriment of manufacturing chemists owing to the unjustifiable scheme of Excise allowances and of the Customs surtax upon spirits of wine imported.

An Excise allowance was first granted in 1860 by way of equivalent for fiscal restrictions on the manufacture of spirits, and was payable upon all spirits exported, so that they might thus compete on equal terms in the foreign and Colonial markets with spirits made abroad which were assumed not to be subject to such burdens. The amount then fixed included items of three farthings per proof gallon as compensation for a corn duty then in force and 1d. per proof gallon for loss of duty on rectification of the duty-paid spirits. Although the corn-tax has since been repealed (in 1869), the item paid in respect of it continues to be allowed; while the 1d. granted for loss on rectification is still granted, although in fact there is not in ordinary circumstances any justification for the payment; because the spirits of wine are not rectified from duty-paid spirits, but distilled in the ordinary course at the distillery before duty is paid on the spirits. The result has come about that both these payments have become a bounty on spirits exported. To this has to be added the allowance of 1d. per proof gallon, which was granted in 1902 to counterbalance the duty then imposed on grain, and which has been continued, although the grain-tax was repealed by the Finance Act of the following year. Thus, of the Excise allowance of 3d. a proof gallon granted on spirits of wine, the portion genuinely attributable to the restrictions to compensate for which it is paid would be found not to amount to more than 1d., even after account has been taken of the recent increase in the distiller's licence duty. As already remarked, this allowance is paid not only on spirits exported, but also on spirits used in making industrial methylated spirits and on duty-free spirits used in arts and manufactures, the sum paid on spirits methylated alone in the last fiscal year being 54,534l.

The differential duty, which can only be called a purely protective tax, levied at present on the foreign raw grain spirits imported "unsweetened and unenumerated," puts it in the power of a ring of distillers to secure the whole of this allowance for themselves. An additional 5d. per proof gallon is charged on the foreign spirits, nominally as an equivalent for the Excise restrictions which are assessed at 3d. per proof gallon when looked at from the point of view of the allowance payable on British spirits, but which in effect shields the home distiller of spirits of wine from any competition in the disposal of his wares. The result is what might be expected. The ring fix the prices of spirits periodically within the limit which a substantial protective tax of the kind referred to permits and the necessities of consumers enable them to extort. It is little wonder that in the circumstances manufacturing chemists find themselves debarred from sharing in the advantages which it is clear the Legislature intended should be conferred on persons using alcohol for industrial purposes by the Acts of 1902 and 1906. They may well ask on what ground the spirit-distilling trade is placed in the enjoyment of this favoured position to the detriment of chemists. Nor can the authorities shirk responsibility for the indefensible condition of things by pretending to ignore what actually results. If an importer receives from abroad a quantity of spirits of wine, that is, unenumerated and unsweetened spirits, to be used in arts and manufactures under the Finance Act of 1902, he is required to pay a differential duty upon these foreign spirits at the rate of 5d. per proof gallon, while upon using the spirits he is actually repaid only 3d. per proof gallon by way of Excise allowance. The significance of this difference is altogether too clear to be ignored, and that the anomaly has been permitted to exist so long can only be explained by assuming that the authorities have felt that any patching up of the present system of Excise allowances with its anachronisms and absurdities is no longer possible, and the work of re-casting it must be undertaken on wholly new lines. In the interests of chemists whose business extends to the trade in spirits and spirit-products, the work cannot be undertaken too soon.

PHARMACEUTICAL SOCIETY.

NORTH BRITISH BRANCH.

THE first of the evening scientific meetings of the winter session of the North British Branch was held at 36 York Place, Edinburgh, on Friday evening, November 24, Mr. J. P. Gilmour, Glasgow, Chairman of the



DR. D. ELLIS.

Executive, presiding. There was a large attendance of members from all parts of Scotland. The inaugural address was delivered by Dr. David Ellis, who is lecturer in botany and bacteriology and organiser of the classes for pharmaceutical students at the Glasgow and West of Scotland Technical College, having been appointed in 1904. He graduated from the University College of Wales at Aberystwyth, taking the B.Sc. London in 1896. After four years as a teacher in secondary schools, Dr. Ellis went to Marburg and conducted researches in botany and bacteriology under Professor Arthur Meyer. In 1902 he was granted the degree of Ph.D. in connection with this work. He also conducted research work at the Lister Institute, London, and studied under Professor Emil Chr. Hansen at Copenhagen. The D.Sc. London was obtained in 1904 for botanical research. Besides contributing the result of his work to the technical journals, Dr. Ellis is the author of "Outlines of Bacteriology" and "Common Wild Flowers in the West of Scotland," and has in the press another book entitled "Nature Studies for Teachers." The title of his address was

"THE BEARING OF BACTERIOLOGY ON THE WORK OF THE PHARMACEUTICAL CHEMIST."

THE CHAIRMAN briefly introduced the lecturer, and referred to the practical nature of his original work.

Dr. ELLIS said the advance in the progress of the comparatively new science of bacteriology could best be judged by the interest that is taken in it by representatives of both chemistry and engineering. The chemist knew that if he could supplement his chemical analysis of water, of milk or of sewage with a bacteriological investigation, his results would be of much greater value. In the same way the engineer is beginning to realise that a little knowledge of this subject is very useful in enabling him to select the particular mode of sewage disposal best suited for the circumstances. An unexpected interest in bacteriology is taken by the grocer who finds that his canned goods may be prevented from going bad, and of late years the progressive grocers in the West of Scotland have considered these factors in their schemes for the technical education of apprentices. A knowledge of bacteriology is of immense advantage to the chemist, and is possibly the best adjunct that a chemist can have. The man who handles goods in the way of his work, and knows the conditions regulating the production of the same, is surely a more efficient member of the profession than one who handles the same materials like an automatic machine. The lecturer then proceeded to show that a knowledge of the conditions regulating the production or the testing of some materials handled by the chemist would safeguard both his own interests and those of the public. Bacteria, he said, are living organisms like ourselves, except that all their functions are carried on in one minute cell instead of in millions of specialised cells. Having described the process of the rapid production of microbes, he said that as members of a profession that is chiefly concerned in supplying goods that help the human system to help itself, it becomes incumbent on pharmaceu-

tical chemists to know something about these bacteria, that as a result of multiplication discharge products and deduce their chances of benefiting the system. The clinical value of lactic acid to the human system has of late years been advocated enthusiastically by medical men, and in consequence a large number of articles have appeared on the market all guaranteed to have the power of producing lactic acid inside the system, and thus inducing changes which, according to some enthusiasts, should have the power of extending life considerably. He described the process which the food undergoes in the large intestine, and said that the successful clinical application of lactic-acid bacteria in the case of disturbances in the food-pipe shows that in many cases, at any rate, the lactic-acid bacteria of milk are able to multiply in the intestines. The result of their multiplication must therefore mean that their excretion products, the chief of which is lactic acid, act as a barrier to prevent any increase taking place in the harmful bacteria. So long as the multiplication of the latter is prevented, the lactic-acid bacteria have fulfilled the functions claimed for them, and the harmful bacteria either remain quiescent or pass out of the body with the excretal matter. If the harmful bacteria found the conditions favourable and multiplied, then their excretions pass into the blood and poison the system. Further, a large proportion of these bacteria are gas-producers when in a state of multiplication. This gas distends the intestines, and so, on another account, these bacteria are a source of pain and danger. A good many varieties of lactic-acid bacteria produce poisonous substances as well as lactic acid, and their introduction into the system may be attended with harm to the system. They should therefore have some guarantee that the strain of lactic-acid bacteria is harmless. He found in a lactic-acid milk-preparation *Oidium lactici*—a very undesirable bacterium to introduce into the body. Continuing, Dr. Ellis referred to the value of buttermilk, and said the hardy little organisms that predominate in buttermilk—*Bacillus acidilactici*—are as likely to make a stand in the intestines against the putrefactive bacteria as any organism that is known, and when drinking buttermilk they are taking in not only lactic acid, but a lactic-acid organism that has proved its efficiency against all other competitors, as evidenced by its very wide distribution. The lecturer then spoke of the testing of germicides and disinfectants, and said his experience led him to say that great caution must be exercised before accepting the statements of the makers of these articles. He had personally not yet found a disinfectant fluid on sale in the market which has a greater carboic coefficient than 7—i.e., seven times as good as carboic acid—and in the case of some of these articles the manufacturer would find it difficult to prove that his article is better for the purpose than warm water. The discrepancies that arise as to the value of the germicidal quality of any particular preparation are due to the indeterminate character of the Rideal-Walker test, which is generally used to compare the germicidal value of various disinfectants. The method is extremely ingenious, and without trial appears perfect. Its value is considerably diminished by the fact that all that is possible is to indicate the general trend of their results. He advocated giving the maximum and minimum results of a fixed specific culture inoculated into a fixed amount of the disinfectant and allowed to remain a fixed time—say twelve hours—as the best method of comparing the powers of two competing disinfectants. The lecturer concluded with a warning that much knowledge of bacteriology and much research are needed before one can say how bacteria will act after being introduced into the system. The lecture was illustrated with a series of lime-light views, showing various kinds of bacteria.

Mr. W. L. CURRIE (Glasgow) moved a vote of thanks to Dr. Ellis, which was seconded by Mr. GILES (Aberdeen).

GERMAN POTASH ROW ENDED.—The Berlin correspondent of the "New York Commercial" states that "with the ratification of an agreement between the German potash syndicate, the non-syndicate members, and the American dealers the long-continued controversy was ended on November 14. The contracts between the Americans and the non-syndicate members, which caused the trouble, were cancelled."

CHEMICAL SOCIETY.

THE lecture-room of the Chemical Society at Burlington House, London, W., was crowded on Thursday evening, November 23, the occasion being

THE BERTHELOT MEMORIAL LECTURE

which Professor H. B. Dixon, F.R.S., of Manchester, delivered. The President (Professor P. F. Frankland, F.R.S.), in calling upon Dr. Dixon, said that no other living chemist could speak with such authority and insight on the great scientific achievements of Berthelot, Dr. Dixon's researches being largely supplementary to those of that illustrious man.

Professor Dixon began by saying that Berthelot, in this age of extreme specialisation, taught the world a much-needed lesson. He was not a man of one idea, his imaginative forces being as conspicuous as his patriotism was pure and enlightened. Marceline Berthelot was born in the



M. BERTHELOT IN HIS LABORATORY.

heart of old Paris on October 25, 1827, and died on March 18, 1907. He lived and died a Parisian. The age of ten found him pondering deeply on the problems of life. He became a brilliant scholar, taking a full medical course and studying chemistry in the laboratory of Pelouze previous to taking his degree of Bachelor des Sciences. His friendship with Renault was likened to two eyes which form but one image. In 1850 Berthelot contributed his first paper to the Academie des Sciences on the liquefaction of gases. He became an assistant to Balard, Professor of Chemistry at the College de France, in 1851, his salary being 800f. (32l.) per annum. This stipend compelled him to give private lessons. Still he had plenty of time for research work, and three years later he obtained his doctorate with a thesis on the combination of acids with glycerin. The synthesis of alcohol from ethylene was accomplished by him in 1858. In 1860 Berthelot was elected a foreign member of the Chemical Society, which thus set, rather than followed, the fashion. In 1861 he was made Professor of Chemistry at the College de France, and in 1862 a special chair of organic chemistry was created there for him. Honours fell thick upon him in middle age. In 1890 he became one of the forty French Academicians. The Royal Society of London awarded him the Davy medal and gave him their highest award, the Copley medal, in 1900. Of his marriage in 1861 the lecturer

said there was never a happier union. Berthelot took little part in public affairs until the overthrow of Louis Napoleon. During the subsequent invasion he superintended the manufacture of explosives, and afterwards continued his studies thereon. He was elected a permanent Senator in 1881, and became Minister of Public Instruction in 1886. Berthelot stated that industry demanded capable directors and competent workers, but he saw no need for ordinary technical schools. In 1889 he accepted the portfolio of the Ministry for Foreign Affairs, and concluded the Anglo-French Treaty of Siam. The duties were not congenial, so he resigned. His regard for England was sincere, and Dr. Dixon said that if he had continued the office the *entente cordiale* might have blossomed a decade earlier. Berthelot was kindness itself, but full of fire in his quick replies. In the lecturer's presence he once stated that "the English are too cautious," and it was characteristic that an hour before he had given the opposite opinion.

At this point of the lecture photographs of Berthelot at various stages of his life were projected on the screen.

As a lecturer (continued Dr. Dixon) Berthelot gave of his best. His numerous researches can be grouped in fairly well-defined divisions. His combination of glycerol with acids in Balard's laboratory led him to compare chemical fats with the ethers, and he recognised that glycerol differs from ordinary alcohols by being able to unite with three equivalents of acid. He found that glycerol combines with all kinds of acids, and stated that it would be possible to make all kinds of similar compounds—a bold conception, considering the great gulf then still existing between organic and inorganic compounds. He followed up his synthesis of alcohol by inventing a general method for the preparation of higher alcohols and olefines. In 1862 he effected the direct combination of carbon and hydrogen into acetylene. The latter he condensed in 1862 to form benzene. This achievement alone might well make one of Berthelot's disciples state "There is only one chemistry, and Berthelot is its prophet." He was again a pioneer in regard to mass action when he showed that time is required for the combination of glycerin with acids and alcohol with acetic acid. He showed that the rate of reaction is dependent upon temperature, and that the same limit (*i.e.*, equilibrium) is attained. It is not clear that Berthelot saw that two reactions were taking place at the same time. He suggested an equation for the estimation of a bimolecular reaction, and few enunciations have been more prolific. He also investigated the partition of a substance between two solvents, and Nernst has since cleared up the anomalies, due to molecular aggregation, which were found.

Berthelot's monumental work in thermo-chemistry began in 1863. It is, perhaps, as well that he and Julius Thomsen were rivals. If the heat of formation of a compound is wanted it is only necessary to look up the works of these two scientists, and if they agree one need not look further. Berthelot's view that free nitrogen is assimilated by plants was proved by Hellriegel to be correct as regards leguminous plants. Berthelot was also the first to point out that nitrogen is fixed by soil bacteria. In connection with his translation of Arabic and Egyptian scripts, Dr. Dixon caused some amusement by the instructions in an Egyptian papyrus regarding the conversion of a copper vessel into gold by rubbing it with a gold amalgam. This, Berthelot said, had "a quaintness of fraud natural and even commendable in the mind of a priest." Considering the vast amount of detail involved in Berthelot's experiments, it is astounding what a small amount of error has been detected. It is only the interpretation that can be criticised, and this is due to his thinking outstripping the bounds of the experiment. At his jubilee, held in the great hall of the Sorbonne on November 24, 1901, Berthelot heard, perhaps for the first time, the veneration in which the world held his genius and career. The inscription, "La Patrie et la Vérité," chosen by the artist for the medal then struck, aptly summed up Berthelot's ideals. He continued his work to the end, being engaged upon studying the effects of radium emanation upon vegetation at the time of his death, within a few minutes of that of his wife. The State procession and military escort which he refused while living were accorded to him at his funeral at the Panthéon. "Happy is the country," concluded the lecturer, "which

can produce such a genius, and happy is the country which can use it."

Sir Edward Thorpe, in moving a vote of thanks, recalled that Madame Berthelot and her numerous children in 1870 sought and obtained asylum in England with a late President of the Chemical Society, Professor Williamson.

Sir William Tilden, in seconding, gave his recollections of Berthelot's lecture before the Society on chemical synthesis in 1863, which was Sir William's earliest connection with the Society. He recalled Berthelot's connection with pharmacy by his appointment in 1859 as Professor of Pharmacy at the Paris Superior School of Pharmacy. During Sir William's occupation of the presidential chair of the Chemical Society he tried hard to get Berthelot to deliver a Faraday lecture, but in vain, the scientist declaring that he invariably got an attack of bronchitis when he visited England.

Sir William Ramsay, in supporting the motion, also gave personal reminiscences. He said Berthelot was the most rapid thinker he had ever met.

The Chairman, in conclusion, remarked upon the striking resemblance which the lecturer possessed to the illustrious subject of his lecture.

POISONING FATALITIES.

Of the eleven deaths reported from poisoning this week six were due to misadventure.

Antimony and Mercury.—At a Camberwell inquest on a child of eleven months it was stated that the mother had administered a cooling-powder containing mercury, antimony, and sugar of milk, which she had obtained from a chemist. The child died. The jury found that death was due to convulsions caused by taking the powder, and strongly condemned the use of that powder, adding that such powders should no longer be sold by chemists. They further said that the administration of the overdose of antimony was accidental.

Compound Camphor Liniment.—Thos. Brooks (72), an inmate of Burnley Workhouse, drank the contents of a "rubbing bottle" supplied to him, with fatal results. At the inquest Dr. Eadie, medical officer, said that the liniment was compound liniment of camphor, and contained camphor, strong ammonia, laudanum, and spirit. The Coroner remarked that Brooks had apparently drank the liniment on the impulse of the moment.

Morphine.—The accidental deaths of Euphemia Bruce Leithead (60), nursing-home proprietress, Marylebone, Hugh Bannister (44), shipmaster, Newcastle-on-Tyne, and Daniel Frew (42), colour-worker's manager, Newington, were due to overdoses of this narcotic taken to induce sleep.

Oxalic Acid.—At Durham an insurance-agent named Fredk. Wm. Bell (41) committed suicide by taking this poison. —Henry Ernest Hooper (39), black-and-white artist, Orchard Street, London, W., killed himself by taking oxalic acid.

Potassium Cyanide.—At Epsom College a schoolboy named Wm. Gordon Klein (17) poisoned himself with this chemical in the College laboratory.

Potassium Permanganate in crystal form was sucked with fatal results by the seven-months-old son of a Gateshead warehouseman named James Munro. At the inquest the Coroner asked, "What is this permanganate of potash?" and received the reply (according to a local newspaper report), "It is prepared from caustic potash, and is a combination of chloride of potash and caustic potash. It is really the caustic potash which is poisonous."

Prussic Acid.—Mr. Isaac James, ex-Coroner for Corsham, Wilts, poisoned himself by taking prussic acid. Deceased had suffered lately from neurasthenia.

Spirit of Salt.—Alice M. S. Hollands (25) died at Rochester through taking some spirit of salt instead of linseed oil for a bad throat. The accident occurred last September, and the sufferer died on November 20.

INSECT IDEAS IN THE WEST INDIES.—Mr. A. C. Adamson, writing to the West India Committee in London from St. Kitts, states that caterpillars still continued to give considerable trouble, but were controlled in most cases. Last year the island was singularly free from worm attacks—so much so that some were heard to express the view that it was only to be expected, as they had for years been using so much insecticide, that the pest had been scotched once and for all. Users of Paris green had largely taken to London purple, but this year apparently the long course of insecticide had caused the production of a caterpillar of extra strong digestive powers, as on all sides it was stated that London purple was useless and had no effect, and that Paris green was now the order of the day.

NEW BOOKS.

Any of these books printed in the United Kingdom can be supplied, at the published price, to "C. & D." subscribers on application (with remittance) to the Publisher, 42 Cannon Street, London, E.C. These notes do not exclude subsequent reviews.

Parry, Ernest J., B.Sc., F.I.C., etc. *Food and Drugs*. Vol. I.: The Analysis of Food and Drugs (chemical and microscopical). 9½×6. Pp. viii+744, with 59 illustrations. 21s. net. Vol. II. Pp. iv+181. 7s. 6d. net. (Scott, Greenwood & Sons.) [A monumental and exhaustive work. The first volume contains twelve chapters, six of them being devoted to foods and beverages, beginning with tea and cognate breakfast-table articles. Next is milk, cheese, etc., followed by the carbohydrate foods (including maltose and malt extract); then spices, flavouring-essences, etc., with alcoholic beverages in the fifth chapter and flesh-foods (extract of meat, etc.) in the sixth. The seventh chapter is on microscopical analysis, and is from the pen of Professor H. G. Greenish. Chapter VIII. is on crude drugs, the ninth on drugs containing alkaloids, the tenth on the essential oils of the British Pharmacopœia, the eleventh on B.P. fixed oils, fats, and waxes, and Chapter XII. on the chemicals of the Pharmacopœia. Following this is a table of chemicals in which melting-points, boiling-points, solubilities in water and 90 per cent. alcohol, permissible lead and arsenic, probable adulterants, and principal tests are plainly set forth. Vol. II. contains the Sale of Food and Drugs Acts, 1875, 1879, and 1899, the Margarine Act, 1887, and the Butter and Margarine Act, 1907, with annotations, deciding cases, official regulations, and running commentary. No work of this character hitherto published has dealt so fully and familiarly with the drugs side of the subject, and foods are also well done as far as can be gathered from a first perusal. Vol. II., although independent, is needful to all who are commercially interested in these statutes and their administration.]

TRADE-MARKS.

Objections to the registration of any of the undermentioned applications must be stated on Form T.M. No. 7 (obtainable at Money Order Offices for £1) and lodged with Mr. Temple Franks, Comptroller-General, Patents Office, 25 Southampton Buildings, Chancery Lane, London, W.C., within one month of the dates mentioned.

The figures in parentheses refer to the classes in which the marks are desired.

(From the "Trade-marks Journal," November 22, 1911.)

- "PHYMATIN" and "ANTIPHYMATOL"; for veterinary chemicals (2). By M. Klimmer, 7 Reinickstrasse, Dresden, A. 332,649/50.
- "SAINT WINEFRIDE," and picture of same; for all goods (2). By T. Ingham, Abbey Cottage, Greenfield. 335,769.
- "WHEATSHEAF"; for ointments, etc. (3). By Philip Elliott, Ltd., Dale Street, Shipley. 332,753.
- "EPICARNE"; for medicinal chemicals (3). By Henry S. Wellcome, Snow Hill Buildings, London, E.C. 335,133.
- "IONETS"; for medicinal chemicals (3). By Reynolds & Branson, Ltd., 13 Briggate, Leeds. 335,168.
- "SAMSON FOOD"; for medicines (3). By R. Vanicek, 69 Great Russell Street, London, W.C. 335,579.
- Label device of woman's head on jar; for medicinal chemicals (3). By Max Loewy, Kleinbeerenstrasse 27, Berlin. 336,712.
- "SECWA"; for medicinal preparations of milk (3). By Casein, Ltd., Sheepcote Lane, Battersea, London, S.W. 335,975.
- "VADIS"; for a medicine (3). By Mary E. Davis, Farringdon Road, Lechlade, Glas. 336,221.
- "ASBRONATOL" and "CATARONOL"; for medicinal chemicals (3). By W. M. Richards, 7 and 8 Vernon House, Sicilian Avenue, London, W.C. 337,052/3.
- "NEGUVON"; for medicinal chemicals (3). By Bayer Co., Ltd., 20 Booth Street, Manchester. 337,111.
- "KOZ"; for a food-preservative (42). By J. L. Dowling, The Cottage, Norsey Road, Billericay. 336,922.
- "BRIDENTIC"; for tooth-powders, mouth-washes, etc. (48). By Edward Thorne, 213 Richmond Road, Twickenham. 336,598.
- "IVRETTE"; for toilet-preparations (48). By R. L. Morgan and R. C. Norris, 30 Richmond Gardens, Shepherd's Bush, London, W. 336,663.
- "SILWYR"; for brushes (50). By Hawtin, Hornett & Co. Successors, 16 London Wall, London, E.C. 336,621.

General Medical Council.

THE autumn session opened at 299 Oxford Street, London, W., on Tuesday afternoon, November 28. The programme of business is short, and is likely to be got through well within the week. The penal cases have nearly all been already dealt with and sentences pronounced in the civil and criminal courts, so that the decisions of the Council are a foregone conclusion. The members are changed by the appointment of a representative of the University of Sheffield in place of Dr. Cocking, resigned through ill-health, and by a new direct representative. The former, Mr. Rutherford John Pye-Smith, F.R.C.S., was introduced by Dr. Caton. A familiar face was missing, Mr. H. E. Allen, Registrar of the Council for thirty-three years, having died suddenly shortly after the last meeting of the Council in the summer. "Of those who constituted the Council when he entered its service, not one is now with us, and only four remain of those who took part in his first appointment as General Registrar," said the President, Sir Donald MacAlister, K.C.B., who made feeling allusion in his address to Mr. Allen's faithful discharge of his duties and to the sense of personal loss felt by every member at the news of his death. Other changes noted in the presidential address were the resignation of Professor Finlay, of Aberdeen, who will be succeeded by Professor Theodore Cash, F.R.S., and the appointment of the new direct representative, Mr. T. J. Verrall, M.R.C.S., of Bath. The President spoke at some length on the National Insurance Bill, the progress of which through Parliament "has," he said, "been watched by your committee with close attention and occasionally with some perplexity," and noted that the first two points of the Council's recommendations—that the Insurance Commissioners and their advisory committee shall each include qualified medical men—have been conceded. The establishment of a list of practitioners willing to act under the medical-benefit scheme, so that the patient could have a choice, and the provision of medicines and appliances by properly qualified pharmacists, which had been pressed upon the Government, have received due attention he added. The notoriously defective law as to the assumption by the unqualified of misleading designations in dentistry "ought to be amended forthwith," but the President did not hope for much at present. Sir Donald made the following reference to

THE BRITISH PHARMACOPEIA.

The Pharmacopœia Committee has undertaken the duty of preparing a revised text of the "British Pharmacopœia" with a view to a new issue. It has appointed as Editors Professor Tirard, of King's College, London, and Professor Greenish, of the Pharmaceutical Society of Great Britain. Each of these gentlemen has taken an important part in the preliminary inquiries, which have been for some years in progress under the direction of the Pharmacopœia Committee itself, and of the Committee of Reference in Pharmacy, nominated by the Pharmaceutical Societies of Great Britain and of Ireland. They are at present engaged in arranging the abundant materials, bearing on the subject of revision, which have been accumulated by the Committee since the last issue of the "Pharmacopœia" and its "Addendum," and they will therefrom prepare a first draft of successive sections of the new issue for the consideration of the Committee. The Committee will from time to time report as to the progress made; but some considerable interval must elapse before the complete work is ready for submission to the Council.

After a more than usually cordial vote of thanks had been passed to the President for his address, and the routine business of receiving the yearly examination tables transacted, the Council retired *in camera* to appoint a new Registrar. Mr. Norman Carey King, the Assistant Secretary, was unanimously chosen. It was also announced that the names of Walter Clifford, Ruby Edmund Clifford, Isidore Clifford, and Stanley Clifford, 20 Grosvenor Street, London, S.W., had been restored to the Dentists' Register.

THE CONSIDERATION OF PENAL CASES

on the first day's sitting is an almost unheard-of thing. For the convenience of some of the parties concerned, however, the Council began these on Tuesday. The first case taken was one postponed from last session, in which Dr.

A. W. Wilson, Tufnell Park Road, N., had been charged with having assisted an unqualified dentist by administering anæsthetics. Dr. Wilson appeared with his solicitor (Mr. Leys), who produced evidence to show the honourable and strictly professional way in which Dr. Wilson had carried out the undertaking he had given not to offend again. The Council thereupon did not see fit to erase his name from the Register.

The case of three doctors concerned with the Sandow Institute excited a great deal of interest last session. Mr. Wallis, who had taken a leading part, was then struck off the Register; Mr. C. E. Trimble and Dr. Wallace were required to appear again to satisfy the Council that their professional conduct had been satisfactory. The complainants, the British Medical Association, were represented by the Secretary, Dr. Smith Whitaker, who was accompanied by Mr. Hempson, solicitor. Mr. Trimble now satisfied the Council that he had given up his connection with Mr. Sandow last April, and is now assistant to Dr. Hind, of Glamorgan. It was decided not to erase his name from the Medical Register.

Lord Robert Cecil, K.C., M.P., made a fight for Dr. Wallace, and as important issues were involved, keen interest was manifested, and the hall was crowded before the case came on by nearly forty persons more or less concerned in it. Lord Robert Cecil scored a point by objecting to a statutory declaration by the British Medical Association being considered as it had not been lodged according to standing orders. This was sustained. He then said that he reserved his right to take elsewhere such steps with regard to the proceedings as he might think fit. He protested that the dictum of the Council last session had left his client in great doubt. Mr. Sandow had offered then to withdraw all advertisements and to conduct his Institute in any way that the Council thought fit. Dr. Wallace had written to the Council to ask whether under those circumstances he might resume his duties there. The reply was that the Council could not enter into the matter. Since the complaint Mr. Sandow has ceased to advertise, no advertisement at all being issued, either for the purpose of procuring patients or for any other purpose; he does not treat disease. Dr. Wallace has now sole direction of the treatment and accepted full responsibility. Dr. Wallace was called as a witness, and was cross-examined by Dr. Smith Whitaker. Ultimately the Council considered the matter *in camera*, and on resuming the President announced the decision, as follows:

"Mr. Wallace, the Council are not satisfied with the evidence as to your conduct which you have produced to-day. They have accordingly decided to give a further opportunity of producing more satisfactory evidence regarding your professional conduct; such evidence ought to be testified to by medical practitioners or other persons of position, who may be acquainted with your practice and conduct in the interval. With this object they have again postponed judgment on your case until the next session of the Council."

Wednesday's Proceedings.

Formal and full consideration was given on Wednesday to the cases of William Dutton Akers, L.S.A., formerly of Sackville Road, Hove, and of James Williamson Skelley, L.R.C.P., L.R.C.S., and L.F.P.S.G., of Blaenrhondda, Glamorgan, both of whom were charged with infamous conduct in a professional respect by committing adultery with patients. Their names were taken off the Medical Register.

George William Hammond, registered dentist, Dental House, Ripon, was next charged, the offence charged being that he was convicted last March of attempting to steal certain goods from the Church Lads' Brigade Clubroom in Allhallowgate, and was sentenced to three months' hard labour. Council did not see fit to remove his name from the Register.

John Edwards, L.S.A., Chadwell, Essex, was summoned for an offence, the first of its kind, that he had unlawfully and knowingly signed a false declaration of his personal knowledge and belief, thereby enabling one Reuben George Rittman to obtain a passport for a foreign country, for which offence he had been fined 25/. After hearing the facts the Council decided that the offence was not "infamous," though it was grave, and they did not see fit to remove Mr. Edwards's name from the Register.

WINTER SESSION.

Association Presidents.

THE Scarborough Pharmaceutical Association has always been fortunate in its officers, and has not failed to call men of light and leading to the presidential chair.



MR. E. M. CHAPMAN.

Mr. Edgar Marsh Chapman, of Henry Chapman & Sons, is a "Square" man. After his apprenticeship with his father, the late Mr. Henry Chapman, in Scarborough, he came to the School of Pharmacy in October 1896, and passed the Minor examination in April 1897. He stayed on at the "Square" for the advanced course, passed the Major in April 1898, became the Burroughs Scholar, and in 1899-1900 the Salter's Fellow. In the same year he was elected a Fellow of the Chemical Society, and in 1904 (by examination) a Fellow of the Institute of Chemistry. Mr. Chapman is in partnership with his brother, Mr. J. W. Chapman, their pharmacies being at 52 Newborough and 76 Falsgrave Road, Scarborough. The business was founded in 1810 by an apothecary, and Mr. Henry Chapman acquired it in 1875. There is also an aerated-water factory in connection with it; Mr. E. M. Chapman takes a keen interest in this branch, and has been a member of the Council of the Yorkshire Mineral-water Association during the past four years. He is also on the Council of the Scarborough Trade Protection Association, and is P.M. of the Denison Lodge of Freemasons. In these days when people are apt to think, and some say, that the "Square" only turns out academic men, it is useful to have from the ranks of the retail so good an example of the commercial, practical, and scientific man as the new President of the Scarborough Association.

Brief Records.

Sheffield Pharmaceutical and Chemical Society.—Mr. H. B. Henderson and Mr. E. S. Seebohm have been appointed members of the Council in place of Mr. G. Squire and Mr. Pater, resigned.

Bradford Chemists' Association.—On November 28 Mr. F. Pilkington Sargeant, of Leeds, delivered his lecture on "The Evolution of a Tincture." At the conclusion the President (Mr. M. Firth) expressed his surprise that such a commonplace subject could be made so interesting.

Glasgow and West of Scotland Chemists' Association.—The Council have had several meetings to discuss the position of the National Insurance Bill, as it changes in aspect from day to day, and are prepared to send a telegram to the Chancellor if the situation seems to demand it. They have also appointed two of their number to proceed to the House of Commons, if necessary, and to do Lobby work to interview members on the points they consider vital or important.

Wolverhampton Chemists' Association.—A meeting was held on November 22. There were present Messrs. Dunn (in the chair), Coleman, Forster, Gibson, Phillips, Stanway, Marlow, M. R. Warner, and C. Warner. A *résumé* was given of the work done *re* the National Insurance Bill by Messrs. Gibson, Dunn, Willcock, and Coleman during the summer recess, and letters were read from Mr. A. Bird, M.P., and Mr. G. R. Thorne, M.P. The names of the winners of the Association prizes for chemistry and botany at the Technical School were announced. An invitation to join the Midland Pharmaceutical Association's meeting on December 6 was accepted.

Derby Chemists' Association.—A meeting was held in the Bell Hotel on November 28. Mr. W. Elmitt presided, and among those present were Messrs. Joy, Hefford, Goodwin, Pattison, Stevenson, Pritchard, Birkinshaw, Readman, and Riley (Hon. Secretary). The business included election of President for 1912, and the choice fell on Mr. C. W. Southern, Belper. The Insurance Bill was then discussed, and it was unanimously decided to send to the local members of Parliament the following resolution:

"It is desired to point out the necessity of pharmacists on the local Health Committees in order to obtain the best pharmaceutical service for the insured."

Tynemouth Pharmacists' Association.—A meeting was held at the Bath Hotel, Tynemouth, on November 20, Mr. J. Fawcett Hogg presiding over a fair attendance. Mr. W. Buckley explained the condition of the National Insurance Bill at that date, and the Secretary was instructed to send a letter of thanks for his work to Mr. W. S. Glyn-Jones, M.P., and to express the hope that recognition for pharmacists and representation on the local Health Committees would be secured on the report stage of the Bill. Rules were adopted, and members of committee and an auditor were elected. The question of prices of proprietary articles was also discussed, and it was left with the Secretary to see the proprietors of local pharmacies and drug-stores in the matter.

Wigan Chemists' Association.—A meeting was held in York Chambers on November 20, the President (Alderman Phillips, J.P.) in the chair. The principal business of the meeting was the consideration of a circular issued by the local Traders' Association, asking the co-operation of the Wigan chemists in arranging a uniform annual summer holiday of three or four days, as carried out in several Lancashire towns at present. To obtain uniformity would, in the opinion of many traders, be a great economy, and be more satisfactory to all concerned, as the holiday would then be concentrated upon one week, instead of extending to several. The Association unanimously agreed to support the movement, and the President and Secretary were deputed to attend a meeting to consider the question.

Mansfield Pharmacists' Association.—There was a moderate attendance at the meeting held at the Oriental Café on November 22, presided over by Mr. Highfield. Mr. Buxton was elected a member. It was decided to ask Mr. Woolcock to address the members. A discussion took place on the supply of drugs other than poisons in poison-bottles. Since the new poison regulations came into force people brought poison-bottles for such things as sweet nitre. It was thought that it ought to be made illegal to supply anything but poisons in a poison-bottle, as the practice did away with the warning value of the poison-bottle. A resolution to that effect is to be forwarded to the Pharmaceutical Society. Mr. A. H. Bell (Hon. Secretary) also read papers on "The P.A.T.A." and "The C.D.A."

Scarborough Association of Pharmacists.—The annual meeting was held on November 23 at Mr. C. M. Chapman's house. The President (Mr. W. Arthur Senior) was in the chair, supported by the following members: Messrs. E. R. Cross, H. E. Hunt, W. H. Newton, G. Whitfield, R. M. Hill, E. M. Chapman, W. R. Eyre, E. Parker, and G. H. Meadley (Hon. Secretary). The office-bearers for the ensuing year were elected as follows: *President*, Mr. Edgar M. Chapman; *Vice-President and Secretary*, Mr. W. Arthur Senior; *Committee*, Messrs. G. Whitfield, G. H. Meadley, T. F. Longdin, H. E. Hunt, and W. H. Newton. Votes of thanks to the retiring officers were given. It was arranged to hold the annual dinner on January 1, Messrs. G. Whitfield and R. M. Hill being entrusted with the arrangements. The date of the annual whist-drive was fixed for January 31, and to carry it out a committee was appointed, consisting of Mrs. E. M. Chapman, Mrs. Ed. Parker, Mrs. John Chapman, Mrs. Eyre, to be assisted by Messrs. Parker and Eyre.

Lincoln Chemists' Association.—The annual meeting was held on November 16. There were present Messrs. W. E. Hill (in the chair), J. S. Battle, C. Battle, E. R. Dixon, D. S. Wark, G. J. Walker, J. Hague, F. P. Watson, and A. S. Birkbeck. The Secretary read letters from three members of Parliament promising careful consideration of certain amendments to the Insurance Bill. Mr. Dixon produced a satisfactory financial report, which showed a balance in hand. The report of the Buying Committee showed a large turnover, and Mr. Elmitt was thanked by resolution for his services. The officers having been re-elected, the President (Mr. W. E. Hill), in thanking the members for their support, referred to the Insurance Bill, and regretted that Mr. Glyn-Jones had only three minutes in which to move his amendment as to pharmaceutical representation on the Insurance Committees. It behoved chemists to watch their case very carefully, or they will find themselves badly hit. The local members of Parliament do not back up chemists as they might, and to all intents and purposes chemists have only one man in the House of Commons to fight for them. The President broached the subject of early closing, but it was decided to wait until the Shops Act was law. Mr. F. Maltby was elected a member.

Organisation Meetings.—A joint meeting of the members of the Dover and Folkestone Pharmacists' Associations was held at the Queen's Hotel, Folkestone, on November 23. The chair was occupied by Mr. J. W. Stainer, F.C.S., and among those present were Messrs. J. Harcombe Cuff, J. F.

Brown, G. F. Forster, E. F. Craig, F. G. Cartis, J. A. Balmford, R. M. Ewell, L. J. Giles, H. Barnett, A. King, W. Ransford, G. A. Steele, and F. C. Jones. The meeting was addressed by Mr. W. J. U. Woolcock, who explained the amended clauses of the National Insurance Bill which affect pharmacists. The scheme for the federation of the local Associations with the Pharmaceutical Society was also discussed.—A meeting of the North Kent Pharmacists' Association was held at the Town Hall, Gravesend, on November 22. The chair was occupied by Mr. R. Feaver Clarke, J.P. (President), and among those present were Miss A. Ethel Roberts, Messrs. J. E. French (Hon. Secretary), E. Williams, A. A. Gillitt, W. H. Westmoreland, R. J. Clarke, T. W. Ostle, A. J. Corfe, J. J. Oliver, A. Stooke, W. E. Clarke, H. A. Pleasnell, W. Stedman, A. Stedman, F. Johns, A. Goldthorpe, A. J. Wing, and J. E. Hewish. The Local Associations' officer (Mr. W. J. U. Woolcock) attended, and discussed the Shops Bill, the National Insurance Bill, and the federation scheme.

Cardiff Pharmaceutical Association.—A meeting was held at the Angel Hotel on November 29, under the presidency of Mr. Leo Joseph. Mr. J. D. Jenkins being unable to accept the office of Vice-President, Mr. G. T. Williams was elected in his place. Mr. F. Lea suggested that the number of retailers of the P.A.T.A. Council should be increased to twenty, and this was supported by those present. Mr. A. Hagon read a paper on the "Sale of Poisons," in the course of which he said that the present position is that the pharmacist is allowed to use his discretion and refuse to supply poisons in unsatisfactory cases. He (Mr. Hagon) would refuse to supply strong acids to children, but if a child brought an order for soap-liniment and laudanum mixed he would not refuse to fill the order. He would not hesitate to take the responsibility of supplying in cases of urgency the demands of a medical man or trained nurse known to him, without strictly conforming to the law. In making inquiries regarding the use to which poison is to be put, care should be taken to frame the questions in a courteous manner. A discussion followed, in which the President (Mr. T. Lea), Mr. Jabez A. Jones, Mr. J. Murray, and others related incidents in connection with the sale of poisons which had occurred within their own experience. It transpired that it was no uncommon practice for certain houses to allow medical nurses 10 per cent. commission on the sale of drugs and poisons.

Public Pharmacists' and Dispensers' Association.—Standing-room only became the order shortly after 8 p.m. at the meeting of this Association at St. Bride Institute, Ludgate Circus, London, E.C., on November 29, Mr. T. H. W. Idris (President) presiding over a company of about a hundred persons. The Hon. Secretary (Mr. G. H. France) moved a resolution of sympathy with Mr. G. W. Udale, Chairman of the Association, and with Mrs. Udale at the loss of their only child, which was passed in silence, the company upstanding. The President, in calling upon Mr. G. Allpress Simmons, M.D., to give a *Demonstration on x-rays*, pointed out that the pharmacist is often called upon to assist operators in public institutions. Dr. Simmons brought a portable apparatus for x-ray work, including application of x-rays and for making skiagrams. High-frequency apparatus was also exhibited. The demonstrator explained the principles underlying x-rays, and explained its uses and how to obviate its dangers. He concluded by mentioning examples of modern radiography, such as flashlight skiagrams and cinematographic reproductions of the beating of a human heart. In connection with high-frequency electricity, Dr. Simmons said its highly suggestive appearance led to its use by charlatans. Nevertheless, it was of therapeutic value, lowering blood-pressure, increasing oxidation of tissues and excretion. These properties made it useful in such complaints as gout, rheumatism, and neurasthenia. Numerous skiagrams were on view, the most interesting being a series showing the passage of a large key which a child had swallowed from the stomach along the intestines, and another series illustrating the use of bismuth in outlining the stomach and intestines. The President, in alluding to the humorous vein which Dr. Simmons had shown during his demonstration, capped this with another funny medical story. Votes of thanks were accorded to the lecturer and the Chairman. Afterwards the company were invited to inspect the apparatus at work at closer quarters.

Chemists' Assistants' Association.—A large audience was attracted to the meeting held at 73 Newman Street, London, W., on November 23, when Dr. James Cantlie, F.R.C.S., gave an excellent address on "China and its Medical Aspects." The President (Mr. F. Naylor) was in the chair, and the gathering included Messrs. J. Clark, L. Cooper, H. B. Everson, W. P. Styles, P. Phillips, R. E. Lowsbrough, A. Latreille, R. H. Brittain, and many others. Dr. Cantlie said that the practice of medicine in

China was conducted so far back as 3000 B.C. according to definite rules and systems. If a medical man departed from the prescribed rules, and his patient died, the penalty was death. Many methods of treatment were described, those to reduce inflammation being three in number, viz.: (1) Counter irritation, produced by violently pinching the flesh either with the fingers or between pieces of wood. Dr. Cantlie said he had seen patients whose bodies had been covered with large wheals produced by the treatment. (2) Acupuncture—the insertion of a needle into the part affected. The lecturer had seen one patient with over 450 needle-scars. (3) Burning of the skin. The advantages of the poultice were known to the Chinese, the one chiefly used being a live duck split down the middle. This was based on sound reasoning, as the temperature of the duck is about 5° higher than that of human beings. The modern treatment of disease with animal gland substances was allied to remedies used in China hundreds of years ago. Dr. Cantlie's description of a Chinese patient suffering from fits caused much amusement. When called in, he found the sufferer sitting on a chair inhaling the smell of mice in a cage, a live-duck poultice was applied to the abdomen, and a bundle of grass tied to each foot. Inoculation against small-pox was practised in China long before its introduction into this country. The dried crust from a patient's eruption was powdered and blown from a tube into the patient's nostrils. Many Chinese medicines depended upon the theory that "like cures like." It was said that Chinese physicians understood the movements of the blood before 4500 B.C., by 3000 B.C. operations were performed, and massage was practised before 2400 B.C. The movements used in modern massage do not differ from those then employed. Until recently medical education in China consisted of a kind of apprenticeship. It was also recognised that a physician was very little good from a medical point of view unless his father and grandfather had been medical men too. Dr. Cantlie, who took an active part in the founding of the Hong-Kong Medical College, mentioned that its first graduate was his friend Dr. Sun Yat Sen, of revolutionary fame. Specialisation in medicine was even a greater feature in China than in England. The physical peculiarities of the Mongolian race were also briefly described. The oblique appearance of eyes of this type of mankind is due to a fold of skin on the upper eyelid. Lantern-slides were used to illustrate the highly instructive and entertaining lecture, which was punctuated by many of those witticisms for which Dr. Cantlie is well known. A vote of thanks, moved by Mr. J. Clark, was carried amid loud applause.

Dundee Pharmacists' Association.—The annual general meeting was held on Thursday, November 23, Mr. C. Stephen (President) in the chair. Mr. Ferrier submitted his financial report, which showed a very satisfactory balance and that during the past session fourteen new members were added to the roll, bringing up the membership to over 80 per cent. of the Dundee pharmacists. Mr. Stephen thanked the Association for the courtesy shown him during his term of office, and the committee for their help in the various undertakings of the Association. The election of office bearers resulted as follows: *President*, Mr. C. Stephen; *Vice-President*, Mr. R. G. Strachan; *Treasurer*, Mr. J. P. Ferrier; and *Secretary*, Mr. G. J. Lindsay; *Members of Committee*, Messrs. John Anderson, sen., W. C. Ramsay, J. Thomson, W. Sime, G. M. Davie, L. P. Michie, C. Young, W. Walker, and J. R. Milne. Mr. Stephen referred to the work done during the past session, and expressed the opinion that there would be even more to do in the one just opening, so he strongly urged the members to do all they could to bring in those who had not yet joined the Association, so that when a strong line of action has to be taken it can be done as from the whole body of pharmacists in the locality. He explained that from a recent notice in *THE CHEMIST AND DRUGGIST* it appeared that the Secretary for Scotland was waiting a reply regarding the Dundee Chemists' Shop Hours Regulation. This, however, was not the case. Lord Pentland had asked for certain restrictions to be withdrawn, but as it was considered that the closing order would be useless without these restrictions, Lord Pentland had a reply to that effect. Mr. Stephen referred also to the note that was sounded by ex-Bailie Doig at the last meeting for amalgamation with the Forfarshire Chemists' Association, and he thought that such a union would be a good thing and would create a better feeling of fellowship in the craft. He said that this matter was not to be rushed, however, but asked the members to think it over carefully, and it would be discussed at a later meeting. As all the members of the Association are in business in Dundee, Mr. Stephen proposed that the title of the Association be altered to the "Dundee Pharmacists' Association." This was unanimously agreed to. A vote of thanks to the Chairman closed the meeting. (See next page also.)

[The letter to which Mr. Stephen referred is one dated Edinburgh, August 2, 1911, and is as follows:

Shop Hours Act, 1904.

DEAR SIR,—With reference to previous correspondence, I am now directed to inform you that the Secretary for Scotland would have difficulty in confirming the Shop Hours Order made by the Town Council of Dundee, applicable to pharmacists', chemists', and druggists' shops so long as the conditions (a) and (b), upon which permission is given for shops affected by the order to be opened after the closing hour, are retained.

The Secretary for Scotland has considerable doubt whether these conditions (to which considerable opposition has been offered) are not actually incompetent in view of the provisions of Section 2 (4) and (5) of the Shop Hours Act, 1904, but, in any case, it appears to his Lordship to be undesirable to subject the business of a chemist, so far as consisting in the sale of medicines and medical and surgical appliances, to such restrictions.

I am therefore to inform you that Lord Pentland would be prepared to confirm an order closing after certain hours the shops of pharmacists, chemists, and druggists in so far as concerns trades other than the sale of medicines and medical and surgical appliances.

Yours faithfully,

To the Town Clerk, Dundee. H. M. CONACHER.

Mr. Stephen informs us that the Association's reply was sent to the Town Clerk, not to Lord Pentland, as the report indicates.]

Social Gatherings.

South-East Essex Pharmacists' Association.—The inaugural dinner of this Association was held at the Hotel Victoria, Broadway, Southend, on November 29. In the course of the evening telegrams were sent to Mr. Kirkwood, M.P. for the division and Mr. W. S. Glyn-Jones, M.P., asking them to do all they can in the interest of chemists.

Middlesbrough Chemists' Association.—A whist-drive was held on November 22 at the Café Royal, when a representative gathering of chemists and their friends took part in the game. The winners of the first prizes, provided by Mr. Ellington, the President, were Mrs. Lee and Mr. Brackenbury and Miss Nelson and Mr. J. C. Thompson.

Sheffield Chemists' Athletic Club.—A most successful whist-drive was held by this Club at the Imperial Rooms, Sheffield, on November 23, when there was an attendance of 140. The prizes were won as follows: *Ladies*—(1) Miss Bradley, (2) Miss Proud, (3) Mrs. Orme. *Gentlemen*—(1) Mr. Ryves, (2) Mr. Fox, (3) Mr. Eyre. Hidden Number, Miss Carr. Mr. Henderson (the President) acted as M.C., and the arrangements were carried out by Mr. G. F. H. Coates, the Secretary.

Dundee Chemists' Assistants' and Apprentices Association.—On November 22 sixty members and friends of this Association held a musical evening at Lamb's Hotel. Mr. Peacock presided, and a most enjoyable programme was rendered by the Misses Scott, Robertson, and Cousins, and Messrs. Herd, Forbes, Brunton, Taylor, Peacock, Lees, and McDonald. A feature of the evening was a sketch entitled "The Prime Donah." About 12 o'clock dancing commenced and continued till 2 A.M. Mr. H. McIntyre officiated at the piano.

York Chemists' Association.—The annual whist-drive and dance was held in the De Grey Rooms at York on November 20, and proved extremely enjoyable. Forty tables were in use, and the principal prizewinners were: *Ladies*: 1, Mrs. Blundy; 2, Mrs. Walton; 3, Mrs. Menning. *Gentlemen*: 1, Mr. Masser; 2, Mrs. T. C. Atkinson. For the second prize Mrs. Atkinson (playing as a gentleman) and Mr. Hibbett tied, and the "cut" resulted in the former securing the trophy. The prizes were distributed by Mrs. A. Hey, sister-in-law of the President. Dancing was subsequently indulged in until an early hour in the morning.

Leeds Chemists' Association.—A most enjoyable whist-drive took place at the Savoy Café, Queen's Arcade, Leeds, on November 29. The attendance numbered sixty and included Mr. J. H. Beacock (President), Mr. S. R. Mundell (Hon. Secretary), Mr. W. D. Pollitt, Mr. R. Fourness, Mr. R. Milestone, Mr. E. Brownbill, Mr. N. N. Armitage, Mr. J. Taylor, and Mr. H. Emsley. Mr. W. D. Pollitt was M.C. The prizes were awarded as follows: *Ladies*—(1) Mrs. T. Pratt, (2) Mrs. G. Jackson, (3) Mrs. W. S. Jessop, (4) Miss Milestone. *Gentlemen*—(1) Mr. H. Hirst, (2) Mr. H. Emsley, (3) Mr. A. Pratt, (4) Mr. W. D. Pollitt.

Portsmouth Pharmacists' Association.—The winter programme of social functions arranged by this Association provides for two whist-drives, and the first was successfully

brought off on November 22. Local pharmacists, their wives, and friends assembled at the Cadena Restaurant, and were accommodated at twenty-four tables. Refreshments were served during the interval. The following were the prize-winners: *Ladies*—(1) Miss Ford, (2) Miss Dunn, (Interval) Mrs. Elliott. *Gentlemen*—(1) Mr. Meddington, (2) Mr. Hearn, (Interval) Mr. Brown. Hidden number, Miss Cruse. Consolation, Miss Ansell. Mrs. W. H. Brown presented the prizes, and Mr. Stanley Arnold acted as M.C. and Secretary of the Entertainment Committee.

Lancaster Chemists' Association.—The fifth annual dinner of this Association was held at the King's Arms Hotel, Lancaster, on November 29. Those present included: Mr. J. Vince (President), the Mayor of Lancaster (Councillor E. Cardwell, J.P.), who was formerly connected with the firm Messrs. Whimpray & Cardwell, chemists, Mr. J. Rymer Young, J.P. (Warrington), Mr. E. H. Burroughs (John Thompson, Ltd., Liverpool), Mr. Alan Francis (British Drug Houses, Ltd., London), Dr. Mounsey, Mr. Alan Seward, Dr. Maunier, Dr. McIntosh, Mr. A. B. S. Welch, Councillor R. Knowles (Morecambe), Mr. A. C. Happold, Mr. A. T. Maxwell, Mr. T. J. Wilkinson, Mr. J. B. Shattock (Seeretary), Mr. S. Parker (Morecambe), Mr. R. T. Simpson, Mr. P. S. Widdup, Mr. F. N. Whitehead, Mr. Arkle (Preston), Mr. W. Arkle, Dr. Aitken, Dr. Bingham, Mr. J. A. Crump, Mr. G. C. Cockcroft (Fletcher, Fletcher & Co., Ltd.), Mr. Mills (Evans Sons Lescher & Webb, Ltd.), Mr. R. S. Angus, Mr. Archer, Mr. C. E. Barrow, Mr. A. Lea, Mr. T. Swinburn, Mr. B. J. Vince, Messrs. Beeson, Birchall, A. Bate, W. Bell, Jones, Llewellyn (Arnside), G. R. Roberts, J. Y. Robertson, N. A. Wood (John Thompson, Ltd., Liverpool), J. Abrey, J. C. Heydock, T. Robinson, S. Taylor, G. E. Whineray, T. E. Snowball, W. Gorst, R. Josephs, W. Wyatt (J. Woolley Sons & Co., Ltd.), H. Troughton, Russell (Bush & Co., London), F. Massey, Masters (Allen & Hanburys, Ltd., London), Porteous (Carnforth), Topley, Paget, W. Hall, E. Ellis. After the loyal toasts, Mr. G. H. Burroughs proposed "The Pharmaceutical Society of Great Britain," and in response, Mr. J. Rymer Young said the Insurance Bill has proved an object-lesson on the question of organisation and combination. He asked them to consider what would have happened if there had been no Pharmaceutical Society when Mr. Lloyd George introduced his measure. There was only one answer, absolute complete extinction as a body. He had no hesitation in saying there would have been no chemists left in any capacity whatever. The present position is that under the National Insurance Bill dispensing will be done by qualified persons, and there is no option or excuse for unqualified dispensing. This is of tremendous importance. For the first time in their history as pharmacists they have managed to secure official recognition as a profession. This would not have been possible if they had not been organised. There would have to be modifications in respect to the dispensing of medicines, but a *modus vivendi* should be found which will be fair to medical men, and not unfair to chemists. It will require delicate handling, but it can be brought about. He noticed that it is claimed there are 10,000 unqualified persons selling drugs who are neither chemists nor doctors. These people are trying to impress the Attorney-General, but chemists must see to it that these mountebanks do not get special facilities. He would not be betraying confidence if he told them that a conference had taken place between the medical profession, Mr. Lloyd George, and the pharmaceutical representatives. The result is that, while any shopkeeper can supply drugs and appliances, no unqualified druggist is to dispense any medicines. The doctors will be able to dispense if the Insurance Commissioners agree. He had come to the conclusion they must not draw a hard and fast line, because it is absurd to suggest, especially in the villages, that doctors should not dispense—it might seriously affect the condition of the patient if they had to send to the neighbouring town for medicines. Mr. T. J. Wilkinson, President of the Chamber of Trade, proposed "The Towns and Trade of Lancaster," to which the Mayor responded. Mr. W. Arkle submitted "The Medical Profession," and Dr. Maunier, in responding, made a strong attack on the Insurance Bill. Mr. Vince (President) proposed the "Visitors," and Mr. Alan Francis replied.

A REUTER telegram from Meshed (Persia) states that "the population there is much excited owing to the scarcity of opium, and that disturbances are threatened unless a supply is assured. Meshed uses 300 lb. of the drug daily."

SHOPS BILL MEETING.—A conference held under the auspices of the Early Closing Association was held on November 30 at the Stationers' Hall, London. Mr. Glyn-Jones, M.P., who was the principal speaker, described the Shops Bill as having too many loopholes of escape for unscrupulous shopkeepers who desired to escape from their obligations under it. The meeting was a stormy one.

TRADE REPORT.

The prices given in this section are those obtained by importers or manufacturers for bulk quantities or original packages. To these prices various charges have to be added, whereby values are in many instances greatly augmented before wholesale dealers receive the goods into stock, after which much expense may be incurred in garbling and the like. Qualities of chemicals, drugs, oils, and many other commodities vary greatly, and higher prices than those here quoted are charged for selected qualities of natural products even in bulk quantities. Retail buyers cannot, therefore, for these and other reasons, expect to purchase at the prices quoted here.

42 Cannon Street, London, E.C., November 30.

A RATHER better tone has characterised the drug and chemical markets this week, with several more or less important changes. In the fine chemical group codeine and salts have been advanced by 1s. 4d. per oz., and in second-hands a large business has been done. Morphine is very firm, and nominally higher owing to the stringent conditions for opium, higher prices for which are again cabled from Smyrna. Menthol to arrive has shown more activity at advancing rates, and the high prices quoted by importers are cause for comment. Carbolic acid has advanced as was expected. Cream of tartar, tartaric acid, and citric acid are all slow. As regards the two former the price of raw material is too high to enable makers to sell freely for next year. In the heavier group of chemicals sulphate of copper has advanced about 27s. 6d. per ton, free sales having been made. Ammonia sulphate is on the easier side. Lead salts are firm, lead acetate selling more freely. Acetone is very scarce and dear. Among drugs, burdock root is easier; chamomiles quiet, with prices well maintained for good white flowers; digitalis-leaves firmer. Lemon-juice is easier, mandrake is tending firmer, and tonka beans remain very dear, both on spot and to arrive. Turmeric tending higher. Vanilla at auction met with keen competition at full prices. The Sicilian new-crop oils of lemon, bergamot and orange are all cabled higher from Sicily, but business is by no means active. Clove oil is cheaper. Copaiba and eucalyptus oils are firm. French lavender, geranium, rosemary and thyme oils are all very dear. The following are the principal changes of the week:

Higher	Firmer	Easier	Lower
Carbolic acid	Bergamot oil	Ammonia sulphate	Aloes (Cape)
Cardamoms	Calumba	Burdock-root	Cassia vera
Codeine and salts	Digitalis leaves	Cod-liver oil	Clove oil
Copper sulphate	Lemon oil	Honey	Milk-sugar
Ipecacuanha	Linseed	Lemon-juice	
Menthol (c.i.f.)	Opium	Shellac	
Turpentine	Turmeric		
Red lead			

London Markets.

ACETONE.—Tenders for a large quantity issued on behalf of the British Government, have remained unfulfilled owing to the absence of supplies. For Government specification quality 85l. per ton is asked, and for delivery over next year the price is 75l. c.i.f.

ANISEED sells in retail lots at 30s. per cwt. for fair Russian on the spot; the quotation for shipment is 28s. c.i.f. terms.

ARROWROOT.—At auction 83 barrels St. Vincent offered and 20 sold at 3½d. per lb. for good manufacturing; 30 bags Mozambique were bought in.

BALSAM (CANADA) is offered at 2s. 4d. in tins, and at 2s. 3d. per lb. in barrels.

BERGAMOT OIL.—The primary markets have been somewhat excited, and prices have advanced, there being little old oil now left. For December-April shipment new crop is quoted 20s. 10d. to 21s. 6d. per lb. c.i.f. for 38-per-cent. esters; spot is worth 23s.

BURDOCK-ROOT is slightly easier at from 34s. to 35s. per cwt. c.i.f. for new Belgian crop.

CANARY-SEED is slow of sale, but prices are unchanged at 46s. to 48s. per quarter for ordinary to fair quality.

CANNABIS INDICA.—The statement made in the House of Commons last week (*vide C. & D.*, index folio 781) by Mr. Montagu that the question of raising the internal or excise duty on ganja was under consideration, is of interest to buyers, as should this prove to be the case prices will be correspondingly advanced. The current quotations are 5s. 2d. for genuine Bombay tops, and 1s. 6d. to 1s. 8d. for East African. Two cases of rather brownish Bombay tops in the London drug-auction were limited at 5s. 2d. per lb., and 37 bags Madagascar were held at from 9d. to 1s. for common brown.

CARAWAY-SEED is quoted 27s. to 28s. per cwt. for fair to good Dutch.

CARBOLIC ACID is higher, a well-known maker now quoting 39° to 40° C. crystals at from 8½d. to 8¾d. per lb. in bulk.

CASCARA SAGRADA.—The *Kecmun* has brought 268 sacks from Seattle and 404 bags from Tacoma to London; 500 bags have also arrived in Liverpool from Hamburg.

CASTOR OIL.—Steady. Hull make of first pressing for prompt to December delivery is quoted 31l., and January-June 28l. 5s. per ton in barrels; finest medicinal oil is 33l. 10s. in barrels and 50s. extra in cases, delivered free on wharf London. In Liverpool good seconds Calcutta is quoted at 4d., and to arrive at 3½d.

CASTORUM.—The annual auction of the Hudson's Bay Co. will be held on Wednesday, December 13, when about 1,544 lb. will be offered, as compared with 1,662 lb. offered a year ago. In addition about 542 lb. of Oregon will be offered. The quality of the castorum is quite up to the standard of last year and it is anticipated that there will be a good demand.

CHAMOMILES.—Quiet, with the prices of good white-Belgian (which are in small compass) well maintained at from 140s. to 150s.; small brown new are quoted at 110s., and medium at 117s. 6d. per cwt.

CINCHONA.—Supplementing last week's information in regard to the Amsterdam auction, the 11,948 packages to be offered on December 7 weigh 1,055,759 kilos. and contain the equivalent of 68,512 kilos. quinine sulphate. The weight of the manufacturing bark is 946,902 kilos. (quinine content 65,574 kilos.), and the pharmaceutical bark 88,857 kilos. (quinine content 2,938 kilos.). The average percentage of quinine in the manufacturing bark is 6.95 as compared with 6.68 per cent. in November. In the drug-auction 37 bags of unusually good, sound Loxa broken quill were firmly limited at 1s. 3d. per lb., a bid of 1s. 1d. being refused. The lot was disposed of privately at 7 packages Calisaya sold at 5½d. per lb. for good bold sound silvery quill of nice appearance, and 3d. for sea-damaged.

CINNAMON.—Owing to absence of sufficient supply the quarterly auction, which should have taken place last Monday, was omitted. At public sale on Wednesday 2 bales of ordinary firsts sold at 1s. 1d. and 6 bales seconds at 1s. per lb. Prices privately are about 2d. per lb. above those ruling at the auction three months ago. The "Ceylon Times" (November 2) reports that the market has shown a very strong and rising tendency. Dealers are holding back offers at 6½c. per lb. for usual assortments. Dealers anticipate a further rise in prices, as little cinnamon has come into the market. The highest price paid for usual assortments during this year was 64c.

CLOVE OIL is cheaper, English distilled offering at 4s. 3d. per lb., and 1d. less for quantity.

CLOVES.—At auction 200 bales Zanzibar sold without reserve at from 5¾d. to 5½d., being easier. Privately fair are quoted on the spot at 5½d., and to arrive a moderate

Business has been done, including October-December at 4½d. January-March at 4½d. to 4¾d., and March-May at 4½d. c.i.f. d.w.

COCA-LEAVES.—At the Amsterdam auction, to be held on December 7, 849 packages Java, weighing 44,432 kilos., and containing a total of 679 kilos. alkaloids, will be offered.

CODEINE.—The makers on Tuesday advanced their prices for codeine and salts equivalent to 1s. 4d. per oz. The prices are as follows: Pure crystal and precipitated, 18s. 9d.; hydrochloride and sulphate, 17s. 11d.; and phosphate, 17s. 1d., all per oz. net; 35-oz. contracts are 5d. per oz. less and 100-oz. contracts, 8d. per oz. less than the foregoing. Falling clause is allowed on undelivered balance of contracts. Previous to the advance, a good business has been done from second-hands at up to 17s. 4d. per oz. for the pure alkaloid.

COD-LIVER OIL.—Our Bergen correspondent writes on November 27, that the market continues to decline, and finest non-congealing Lofoten oil has been sold at 108s. 6d. per barrel c.i.f. London. The first reports in regard to the winter fishing at Finmarken are satisfactory—a fair catch and fat livers. [It is of course distinctly understood that this has nothing to do with the Lofoten fishing beginning at the end of January.—Ed.] In London, rather lower prices have been accepted for oil to arrive, and for finest Lofoten quality 110s. c.i.f. has been paid, the spot value of such being about 111s.

COLOCYNTH.—For fair Turkey apple with loose seed 7d. per lb. has been paid.

COPAIBA.—Filtered Maranham is quoted 2s. 2d. in cases and 2s. in barrels, and Central American 2s.

COPPER SULPHATE.—As the result of an advance in raw copper, the sulphate has considerably advanced (about 27s. 6d. per ton), ordinary Liverpool brands offering at 22l. 10s. per ton for prompt, and 23l. to 23l. 10s. for spring delivery; some large sales have been made both for this year and early next.

CORIANDER-SEED is steady at 15s. to 15s. 6d. per cwt. for ordinary to good Morocco.

CREAM OF TARTAR.—The absence of demand keeps prices on the easy side, 98 per cent. powder offering at from 36s. to 87s., and 95 per cent. 84s. to 85s.

CUMIN-SEED is quiet at 24s. per cwt. for Morocco and 30s. for Malta.

DIGITALIS-LEAVES are firmer at from 44s. to 46s. per cwt. c.i.f.

DILL-SEED is quoted 15s. 3d. per cwt. c.i.f. terms for shipment.

EUCALYPTUS OIL.—Privately the market remains very firm, business having been done at 1s. 4½d. on the spot for ordinary B.P. quality. In the drug-auction 10 cases catalogued had been sold privately, and for 23 cases no test; 1s. 3d. was the retail price.

FENUGREEK-SEED is steady at 10s. per cwt. for Morocco.

GERANIUM OIL.—Finest Nimes rose is firm at 20s. per lb.

GUINEA GRAINS are offered at 95s. per cwt. c.i.f.

GUM ACACIA.—For a lot of 50 bags fair palish soft Sudan, 65s. was mentioned as the price in auction.

IODIDES.—The exports of potassium iodide from Japan during September were 4,013 kin, valued at 18,501 yen; for the nine months the exports have been: 1909, 20,571 kin; 1910, 41,702 kin; and 1911, 37,340 kin. No crude iodine was exported during September; for the nine months the exports have been: 1909, 13,082 kin; 1910, 8,640 kin; and 1911, 9,884 kin.

LAVENDER OIL.—French remains very firm, and likely to go higher; for finest Mont Blanc from 14s. 6d. to 15s. per lb. is quoted.

LEMON-JUICE.—English pressed of new crop for delivery early next year is rather cheaper at 1s. 7d. per gall.

LEMON OIL.—Although the Messina market shows a distinctly rising tendency, buying for next year does not appear to have been stimulated; in several quarters quotations for new crop have advanced 3d. to 5s. per lb. c.i.f. for December-April shipment; spot is still 6s. 3d. for finest. In the drug-auction 8 cases Cedar brand were held at 6s. per lb.

A Palermo advice of November 25 reports a continued quiet market for spot oil, holders beginning to realise that as new crop will be available shortly, the less chance they have to maintain the position and the premium which spot oil has commanded in comparison to new oil for forward delivery. Small orders have come in from abroad for old, showing that stocks are light in most consuming places—they were dealt with at slightly easier rates. New crop position remains unchanged, buyers and sellers being reserved. Future of the market largely depends on the demand for fresh fruit, and anticipations on same are not easily formed. The resistance of the growers to any attempt to reduce quotations is very strong, as the last campaign improved their financial condition. Old crop is quoted at 5s. 7d. and new crop for forward shipment at 5s. c.i.f. London.

LINSEED is firmer at 64s. per quarter for Dutch and 67s. 6d. for Morocco.

MENTHOL is firmer, and with continued spot scarcity, holders ask 27s. 6d. for Kobayashi and 27s. for Suzuki; business was done at the close of last week at 25s. for Suzuki, but it cannot be repeated. To arrive, more interest has been shown, market showing a distinctly rising tendency. The sales include Suzuki at 21s. 6d. for October-December, and January-March at 18s. to 18s. 6d. c.i.f.; also Kobayashi in combination with oil at 24s. for February-March shipment. Importers quote Kobayashi at 27s. c.i.f. for December-January shipment. The *Cormorant* via Havre has brought 20 cases. In the drug-auction a single case of Kobayashi crystals sold at 30s., and sellers would be glad to do business at this price privately. *Latest:* Sellers of Suzuki for January-March shipment at 18s. 9d. c.i.f.

The exports of menthol from Japan during September were 3,770 kin, as compared with 7,236 kin in September 1910. The nine months' figures for the past three years are as follows:

	1909	1910	1911
Kin ...	59,623	77,563	76,132
Yen ...	279,286	405,526	591,612

MILK-SUGAR is quiet and lower; 90s. per cwt. will readily buy B.P. quality on the spot.

MORPHINE.—Market remains very firm, makers still asking 12s. per oz. for hydrochloride, and in secondhands, from 11s. 6d. to 11s. 7d. is quoted.

OPIMUM.—The Smyrna market again indicates a rising tendency, higher prices having been cabled, which has the effect of reducing business to very small proportions. The prices quoted include Karahissar 12 per cent., 28s. 9d.; 11½ per cent., 28s. 6d. (which has been paid to-day); also 11 per cent., 25s. 6d. c.i.f., according to seller. Bids of slightly less have been refused. Good Turkey druggists' is worth 26s. to 26s. 6d. per lb., and in one instance 27s. 6d. is asked for 11 per cent. on the spot. Persian is practically unobtainable.

ORANGE OIL.—In the drug-auction 2 cases *sweet* sold at 3s. per lb.

A Palermo advice dated November 25 reports a fluctuating market, conditions being influenced by speculation. Both *sweet* and *bitter* are quoted at 8s. per lb. c.i.f. London.

PEPPERMINT OIL.—Four cases Japanese (Suzuki) were held at 8s., which is the price asked privately. Buyers of American continue apathetic, but for finest brands of tin oil 12s. 6d. is maintained as the price. It is stated that the bulk of the stock in the West has now passed from growers' hands into those of speculators', who are holding for a higher price.

The exports of peppermint oil from Japan during September amounted to 10,403 kin, against 9,443 kin in September 1910. For the nine months of the past three years the figures are as follows:

	1909	1910	1911
Kin ...	109,792	103,513	113,452
Yen ...	330,672	319,099	387,289

PODOPHYLLUM-ROOT has a tendency to advance. Spot is obtainable at 32s. 6d., and to arrive 33s. 6d. c.i.f. is wanted.

QUICKSILVER has been steady throughout at 8l. 10s. from first, and 8l. 3s. per bottle from second hands.

QUININE.—At the Amsterdam auction held on November 24, 1,417½ kilos. (50,000 oz.), Ed. II. was offered, and

sold at the average price of fl. 11.26½ per kilo., against fl. 10.54 per kilo. at the previous auction. The next auction will be held on December 15, when a similar quantity will be offered.

SENEGAL is offered at 2s. 6d. net on the spot.

SHELLAC is dull, with fair TN orange offering on the basis of 62s. to 63s. for December-January shipment at 62s., and A.C. Garnet at 59s. c.i.f. Futures are lower on the week, the sales including December at 62s. 6d., March 64s. 6d. to 66s., and May 65s. to 65s. 6d.

TAMARINDS.—Market is practically cleared of Barbados, up to 16s. having been paid in bond. Antigua are quoted 12s. 6d. to 13s. in bond.

TARTARIC ACID is quiet at 1s. 1d. per lb. for English and 1s. 0¾d. for foreign. The latter for delivery throughout next year is quoted 1s. 0¼d.

TONKA BEANS.—New crop Angostura are offered from America at about 18s. 6d. per lb. c.i.f., but there is little disposition to do business on this side, pending further advices as to new crop, which is now being collected. On the spot a limited quantity of Angostura is offered at 23s. In the drug-auction a case of fair frosted Para was bought in at 7s. 6d. per lb.

TURMERIC.—The private market remains firm, Madras finger having been sold up to 27s., Cochín finger at 21s., and split bulbs at 15s. per cwt. on the spot.

TURPENTINE OIL is dearer, American closing at 35s. 9d. on the spot.

VANILLA.—At auction on Wednesday the larger supply of 674 packages offered, and practically all sold with good competition. Good and fine of long lengths were full up to 6d. to 1s. higher, medium lengths were full up, short being steady to occasionally easier, and brown and foxy dearer.

The following prices were paid: *Scyphellus* (432 tins), good firsts, 7 to 8½ in., 18s. to 19s.; 4 to 7 in., 15s. to 18s.; fair, 6 to 7½ in., 15s. to 17s. 6d.; 3½ to 6 in., 14s. to 16s.; seconds, 2½ to 7 in., 13s. 6d. to 15s. 6d.; brown and split, 12s. to 14s. 6d.; various, 12s. to 14s.; mouldy, 9s. to 12s. 6d. *Madagascar* (242 tins offered and 120 sold), good firsts, 7 to 8 in., 18s. to 19s. 6d.; 4 to 6½ in., 15s. 6d. to 17s. 6d.; firsts, split, 14s. 6d. to 15s. 6d.; fair, 13s. 6d. to 13s. 9d.; mouldy, 12s. to 13s. per lb.

London Drug-auctions.

ONLY small supplies were brought forward at the auctions of first-hand drugs, but the general demand was poor. Cape aloes met with a dragging sale at a decline of about 1s. per cwt.; Curacao was neglected. A fair quantity of good Persian Gulf asafetida was disposed of at very firm prices, principally for export; common grades were neglected. Buehu continues slow of sale, and balsam tolu is still held at a high figure. No benzoin offered. Cardamoms were dearer for the insignificant supply offered. Calumba was in rather more demand at firmer rates. Honey was a shade easier, but the selection offered was very small. Ipecacuanha was about the only feature of the auction, the offerings of East Indian being readily disposed of at a substantial advance. Kola is steady. Rhubarb quite neglected and tending easier. Sarsaparilla sold at firm rates for Lima and Native Jamaica, no genuine grey being offered. Tinnevely senna only partially sold, importers' ideas of value being too high. Beeswax proved uninteresting. The following table shows the amount of goods offered and sold:

Offered Sold		Offered Sold	
Aloes—		Coca-leaves	
Cape	46 ... 18	10 ... 10	
Curacao (boxes) ..	70 ... 6	Cochineal	7 ... 0
Socotrine (kegs) ..	30 ... 0	Coriander-seed ...	23 ... 0
Ambergris (pel.) ...	1 ... 1	Cubebs	53 ... 0
Aniseed	50 ... 0	Cuscuta	6 ... 0
Annatto-paste	1 ... 0	Dragon's-blood	2 ... 2
Annatto-seed	27 ... 0	Ergot	6 ... 0
Apricot-kernels ...	50 ... 0	Eucalyptus oil	33 ... *10
Argol (Cape)	14 ... 0	Fenugreek-seed ...	32 ... 0
Asafetida	343 ... 96	Gamboge	19 ... 0
Balsam tolu	2 ... 0	Guaiacum	3 ... 3
Buehu	19 ... 2	Guarana	1 ... 0
Calumba	360 ... 190	Gum acacia	51 ... 1
Cannabis indica ...	39 ... 0	Henbane	10 ... 0
Cardamoms & seed ..	37 ... 26	Honey—	
Cascarilla	5 ... 0	Jamaica	16 ... 16
Cinchona	44 ... 7	N.Z.	20 ... 0
Cinnamon-leaf oil ..	10 ... 0	West Indian	9 ... 9
Civet (hrns.)	5 ... 0	Kola	21 ... 7
		Locust oil	8 ... 0

Offered Sold

Ipecacuanha—	
Cartagena	1 ... 0
East Indian	60 ... 60
Matto Grosso ...	2 ... 0
Minas	3 ... 3
Lime-juice...(hlds.)	11 ... *6
Lime oil	1 ... 1
Menthol	1 ... 1
Musk (tins)	2 ... 2
Myrrh	8 ... 8
Orange oil	2 ... 2
Orange peel (Zan.)	20 ... 0
Papeira brava ...	40 ... 0
Peppermint oil	
(Jap.)	4 ... 0
Rhubarb (China)...	26 ... 0
Salep	7 ... 0
Sandarac	19 ... 0

Offered Sold

Sarsaparilla—	
Lima-Jam	3 ... 3
Native Jam	3 ... 3
Seedlac	26 ... 0
Senna and pods—	
Tinnevely	456 ... 249
Tonka beans (Para)	1 ... 0
Turmeric	467 ... 0
Wax (bees)—	
East African	5 ... 0
East Indian	10 ... 0
Madagascar	36 ... 0
Mozambique ...	41 ... 0
Portuguese	20 ... 0
Spanish	14 ... 0
West Indian	1 ... 1
Zanzibar	30 ... 0
Wax carnauba	56 ... *56

* Sold privately.

ALOES.—Cape was about 1s. per cwt. easier. For good hard bright firsts, Mossel Bay (20-per-cent. tarcs), 32s. 6d. was refused; good seconds sold at 32s. 6d. to 33s.; fair seconds, slightly drossy and softish, 32s. 6d.; dull and softish, 30s. to 31s.; low broken to common dull and drossy, 26s. 6d. to 28s. 6d. per cwt. Of Curacao, 6 boxes sold without reserve at 33s. for common black, part cindery. For fair lively aloes 50s. per cwt. was refused; rather drossy capey mixed was held at 37s. 6d.

ASAFETIDA.—The large quantity of 343 packages (mostly from the Persian Gulf) offered, and about 100 sold at easier rates for genuine, but rather dearer for the lower and adulterated grades. The following prices were paid: Mainly loose almondy, part blocky, 18l. to 19l.; good soft almondy block, with part loose, 17l. to 17l. 10s. Soft pinky mass and almondy, in tins, 9l. subject; fair pasty and blocky, 8l. 15s.; pinky paste, part blocky and heavily mixed, 7l. 10s.; common blocky with very few almonds from 50s. to 65s.; do., with rather more tears, 82s. 6d. to 100s. per cwt.

BALSAM TOLU.—Two cases of slightly softish, in large tins, were limited at 2s. 9d. per lb.

BENZOIN.—No offerings of this important drug were catalogued.

BUCHU.—Quiet. A single bale of slightly yellowish small round sold at 3s. 9d. per lb., subject to sellers' approval, and for a bale of good greenish 4s. 1d. was refused. Ovals were limited at from 1s. 8d. to 1s. 9d. A bale of very inferior yellow round sold without reserve at 3s. 4d.

The "O. P. and D. Reporter" of November 20 states that the position is much steadier since the break noted previously. While 85e. had been named in one quarter, a late test of the market disclosed nothing to better advantage than \$1.05 in bale lots. The sincerity of the lower figures formerly current for shipment has been doubted, and the effect is now generally discounted. [In other words, it would appear that the recent bear tactics of some leading New York importers have not succeeded in bringing down the price, and, as we stated last week, we were unable to find any evidence of similar low prices being quoted here for new crop.]

CALUMBA.—A lot of 190 bags of small to bold dull natural slightly wormy sorts sold at from 15s. to 16s. per cwt.

CARDAMOMS.—The insignificant offerings sold at an advance of 2d. to 3d. Good extra bold, slightly dullish, Ceylon-Mysore sold at 3s. 11d.; bold, partly split, 3s. 4d. to 3s. 6d.; medium ditto, 3s. 1d. to 3s. 2d.; very small ditto, 2s. 9d.; brown and split, 2s. 8d.; grey seed, 3s. 2d. Five cases Bombay seed with slight camphor odour were held at 3s. Privately, Bombay seed are held for 3s., market being very firm. Arrivals of cardamoms continue small.

CIVET.—Five horns of the usual "commercial" quality were limited at 4s. per oz.

COCA-LEAVES.—Ten cases of small wild brownish Ceylon-Truxillo leaves sold at from 6½d. to 7d. per lb. Privately Truxillo are offered at 1s. 2d. per lb. c.i.f. terms.

DRAGON'S-BLOOD.—Two cases of low seedy lump sold at 70s. per cwt., without reserve. No reboiled lump offered.

ERGOT.—Privately market is very quiet, Russian offering at 5s. spot. In auction 6 bags of fair sound were held at this figure.

GAMBOGE.—For 10 cases of very blocky, but mostly fair Siam pipe, a bid of 11*l.* 2*s.* 6*d.* is to be submitted. For common damp Saigon pipe the buying-in price was 35*s.*

GUAIACUM.—Three casks of common drossy block sold at 4*d.* per lb., which is about private valuation.

GUARANA.—A single case of fair quality was held at 7*s.* 6*d.* per lb.

HONEY.—The unimportant offerings sold at a shade easier rates, including amber *liquid* Jamaica, in barrels, at 35*s.*; fair brown setting, 29*s.*; ordinary brown to dark liquid, 27*s.* to 26*s.*; *set*, good pale, 30*s.*; fair palish, 27*s.* to 28*s.*; 20 cases New Zealand were bought in at from 30*s.* to 32*s.* 6*d.* per cwt. Nine casks from St. Lucia sold at 27*s.* 6*d.* for pale brownish part dark setting.

IPECACUANHA.—Dearer. The sensation of the auction was the sale of the new lot of 60 bales East Indian, which met with keen competition from numerous buyers. Prices opened unchanged (as compared with the rates paid on the last occasion in September) at 7*s.* 9*d.* to 7*s.* 10*d.* for the first 23 bales, and as the sale proceeded 7*s.* 11*d.* to 8*s.* 10*d.* was paid, the final bale going at 9*s.*, and siftings at 8*s.* 6*d.* The quality on this occasion showed more variation, and was more or less greyish. Three bales of fair cultivated Minas sold without reserve at 8*s.* 9*d.*, being an advance of about 8*d.* on previous sale; two bales of leanish grey Matto Grosso were held at 9*s.* The above prices show a somewhat unexpected recovery in ipecac, the general demand having dispelled the recent "bear" tactics.

KOLA.—In the drug auction 6 bags of fair Ceylon, mostly halves, sold at 3½*d.* For good, bold, bright St. Lucia a bid of 3½*d.* was refused, 4*d.* being wanted. A single bag of West Indian from another catalogue sold at 3¾*d.* per lb. At the spice auction 12 bags West Indian mostly sold at 3¾*d.*

LIME OIL.—A single case of hand-pressed Dominica sold at 5*s.* per lb.

MUSK.—Two tins of old-fashioned thick-skinned and dampish Tonquin pod sold at 49*s.* per oz.

MYRRH sold at full rates, 65*s.* per cwt. being paid for 3 cases of very fair native-picked Somali sorts, and for 4 cases bold dark siftings 41*s.* 6*d.* was paid, a case of fair dust going at 32*s.* 6*d.*

RHUBARB is dull of sale, nothing being disposed of in auction. For bold, flat, high-dried, with three-quarter very fair pinky fracture, 10*d.* was wanted, and for medium ditto 9½*d.*; medium round Canton, with three-quarter good, pinky fracture, was bought in at 1*s.* 6*d.* Privately, further business has been done in High-dried for arrival.

SALEP.—Seven bags fair quality were limited at 2*s.* per lb.

SANDARAC.—Fair to good pale Mogador tear was held at from 70*s.* to 75*s.*, ordinary dusty at 55*s.*, and pickings at 35*s.* per cwt.

SARSAPARILLA.—No genuine grey Jamaica offered. Three bales Lima-Jamaica brought full prices, 1*s.* 2*d.* being paid for part coarse and 1*s.* 3*d.* for fair hanks. Three bales of native Jamaica sold at 1*s.* 1*d.* for good red, 9*d.* for duller do., and 10½*d.* for red and yellow mixed.

SENNA.—Tinnevely sold at about steady prices, about half the offerings finding buyers. Small common dark realised 1½*d.* to 1¾*d.*, ordinary small specky 2*d.* to 2½*d.*, middling greenish 2½*d.* to 3*d.* Medium to bold yellowish-green, mostly specky, was held in quantity at 3*d.*, buyers being unwilling to give more than 2¾*d.* for this quality. *Pods* sold at 1¾*d.* per lb. Privately new crop Alexandrian siftings for later shipment are offered at 2¾*d.* per lb. c.i.f. and on the spot 3*d.* is wanted.

WAX (BEES').—Extremely quiet. A case of good yellow Grenada sold at 7*l.* Fine bleached Calcutta (10 cases) were held at 8*l.* 5*s.*; good Mozambique pipe, with a few dark pieces (41 bags), at 7*l.* 5*s.*; 14 bales Spanish at 7*l.*; 20 bags Portuguese block at 8*l.* 5*s.*; and 30 bags Zanzibar at 6*l.* 12*s.* 6*d.* for fair mixed colours; a bid of 6*l.* 13*s.* 9*d.* was refused for rather ordinary dark Madagascar. Privately 7*l.* 10*s.* is asked for Jamiaca.

Java Government Cinchona Plantations.

From the report on these plantations for the third quarter of 1911 just issued it appears that Java suffered from the recent drought almost as much as Europe; thus at Tjin-

jroewan, Rioeng-Goenheng, and Kawah-Tjiwidei, where the Government Cinchona Plantations are situated, the numbers of rainy days were eighteen, nineteen, and nineteen respectively, as compared with forty-three, forty-three, and forty-five, the averages for the same quarter in the last five years, and the total rainfalls were 106, 337, and 206 millimetres respectively, against 537, 803, and 655, the averages for the third quarter in the period 1906-1910. The drought, however, did little harm, though it somewhat retarded growth in the nurseries and newer plantations. It had a good effect in increasing the labour supply, so that the deficiency of 1,500,000 half-kilos. in bark harvested, which had accumulated up to the end of June, has been reduced to 1,000,000 half-kilos., though the director hardly hopes that this reduction will continue in the current quarter. *Helopeltis* caused very little trouble, but in spite of the destruction of millions of eggs and larvæ of *Euproctis flexuosa* the caterpillars of this pest hatched out in large numbers. On general policy the director remarks that a high content of quinine in cinchona-bark is not the sole factor to be taken into account in managing a plantation; in addition to this, plants must be selected which are resistant to disease and to pests. At the sales held in Amsterdam on July 13, August 24, and September 28 the prices per unit, per cent. of quinine sulphate in the bark sold, were 3.24, 3.14, and 3.12 cents per half-kilo. These prices, it is pointed out, are not commensurate with the higher prices now being obtained for quinine sulphate, and the director endorses the remark of Watering & Co. in their last Cinchona Circular (No. 13 of 1911) that a rise in the unit price cannot be expected until planters cease talking about how to induce a rise and instead take definite action.

Manchester Chemical Market.

November 28.

While there are brisk reports of inquiry in heavy chemicals, they are scarcely confirmed by inquiry on the Exchange to-day. Indeed, it is stated that concessions are being made to induce business, and if anything prices rather favour buyers. Of course, a great deal depends on the market for which the inquiry is intended, and for 48 per cent. ammonia alkali 4*l.* to 4*l.* 2*s.* 6*d.* per ton is being asked on rails. There is a fair inquiry for caustic soda and bleaching-powder, with little change to note in prices. Soda crystals and saltcake unchanged. Sulphate of copper is firm, especially for forward delivery. There was an advance for raw copper last week, which reacted on manufactured. This in turn affected sulphate, which may be quoted 22*l.* 7*s.* 6*d.* to 22*l.* 12*s.* 6*d.* per ton, with higher prices asked for spring delivery. Sulphur steady, with upward tendency. Arsenic continues firm at full rates. Coal-tar products remain steady. Sulphate of ammonia is quoted 14*l.* 5*s.* 9*d.* per ton on rails Manchester.

Heavy Chemicals.

A steady business continues to be done in the heavy-chemical market, and the probabilities are that there is a somewhat more than average briskness at this season both on home and export account. As regards contracts, the great majority of these, including the more important ones, have been already fixed, but those held over are being steadily concluded at full rates.

BICHROMATE OF POTASH AND SODA are in fair average request at unaltered figures for prompt and forward. Bichromate of potash, English and Scotch deliveries, 3½*d.* per lb., less 5 per cent., and export 3½*d.* per lb. net f.o.b. Glasgow. Bichromate of soda, English and Scotch deliveries, 3*d.* per lb., less 5 per cent., and export 2¾*d.* per lb. net f.o.b. Glasgow.

ALUMINA PRODUCTS.—This market is steady with a strong normal demand against contract, and also with a full average miscellaneous contract. Prices tend higher with increasing costs of manufacture. Crystal alum, lump, 5*l.* 10*s.* to 5*l.* 17*s.* 6*d.*; lump, in tierces, 5*l.* 15*s.* to 6*l.* 2*s.* 6*d.*; and ground, in bags, 6*l.* to 6*l.* 7*s.* 6*d.* per ton free on rails Lancashire or Yorkshire, or f.o.b. Hull, Goole, or Liverpool. Sulphate of alumina, purest qualities, practically free of iron, ordinary strength quality, 4*l.* 12*s.* 6*d.* to 5*l.* 2*s.* 6*d.* per ton in casks, with usual allowances for bags and loose slabs and customary extras for the same pure quality in higher concentrations. Alumino-ferric 50*s.* to 57*s.* 6*d.* and aluminous cake 50*s.* to 57*s.* 6*d.*, according to quality, quantity, and destination. Hydrate of alumina, purest quality and high strength, Al₂O₃, 12*l.* 10*s.* to 13*l.* 10*s.* per ton free on rails in casks. Aluminate of soda, purest quality and high strength, Al₂O₃, 25*s.* to 27*s.* 6*d.* per cwt. Carbonate of alumina, 30*s.* to 32*s.* 6*d.* per cwt.

SULPHATE OF AMMONIA quiet and rather easier. Present nearest figures: Beckton, prompt, 25 per cent. ammonia guaranteed, 13*l.* 17*s.* 6*d.*; London terms, 13*l.* 10*s.* to 13*l.* 12*s.* 6*d.*; Leith, 14*l.* 7*s.* 6*d.*; Liverpool, 14*l.* 5*s.*; and Hull, 14*l.* 3*s.* 9*d.*



Memoranda for Correspondents.

All communications must be accompanied by the names and addresses of the writers, otherwise they cannot be dealt with. Queries by subscribers on dispensing, legal, and miscellaneous subjects connected with the business are replied to in these columns if they are considered to be of general interest. Letters submitted for publication (if suitable) should be written on one side of the paper only. Their publication in "The Chemist and Druggist" does not imply Editorial agreement with the opinions expressed.

What is a Poison?

SIR,—In your last issue Xrayser comments on the difficulty of defining a poison. As an attempt to formulate a statement comprehensive and indicative I submit the following:

A poison is a substance which at ordinary atmospheric temperatures, when absorbed by the body, produces excessive derangement or cessation of the functions of health.

Yours truly,

Leicester, November 27.

S. F. BURFORD.

Dispensing Opium for Infants.

SIR,—As one of the 13,000 chemists appealed to by Dr. McWalter, I beg to say that if the prescription was handed to me to dispense, and I saw it was in order—i.e., written by and signed by a medical man—I should dispense it without inquiry, because it is not part of a chemist's duty to inquire the age of the patient and so check the prescriber's doses. If, however, it was a lay recipe, I should make inquiries and point out its potent nature. Opium is undoubtedly a dangerous medicine in inexperienced hands, but under medical supervision young children very often bear good doses of it very well, especially in cases of diarrhoea and similar trouble.

With all respect to Dr. McWalter, I deprecate his inquiry. If two medical men disagree over the dose of opium to be given to a child, it is not the place of the readers of the *C. & D.* to decide who is right and who is wrong.

Yours faithfully,

November 29.

CHEMIST. (249/10.)

What Has Been Done?

SIR,—I notice in a local Middlesex paper a mass-meeting of medical men was held recently at Ealing, when the following resolution was carried by acclamation:

"That the just claims of the medical profession have not been met by the Chancellor of the Exchequer in the Bill as now amended. The division feels that no good can come from further consideration in the matter, and is determined to abide by the six cardinal points put forward in June last. The members of the Ealing division therefore pledge themselves to have nothing to do with the Insurance Scheme, unless all six points are made law within the four corners of the Act." The meeting concluded by forming a committee to organise a *general strike* in the event of the Bill being passed without the six points having been conceded.

Now I ask, What are we chemists doing? What information have we had made known to us by our Pharmaceutical Society or from the Parliamentary Secretary in the House? This scheme is vital to the trade as a whole. It still remains to be proved that the ordinary retailer will derive much compensation for the responsibility of undertaking the work. Doctors inform me already of their intention to make the prescriptions they will give patients under the Bill as expensive as possible. Also representatives of wholesale houses say they will try to get the profession to order proprietary preparations such as B. W. & Co.'s, Fellows', etc. It seems time to hold another mass-meeting of chemists like the one held July 6 last, and for the trade to receive as a whole some account of the progress made, or otherwise, of the seven resolutions carried by the chemists present at that meeting.

I am, yours respectfully

Brentford, November 28.

A. HAWTHORNE.

The Price of a Meek and Mild Front.

SIR,—Mr. Lloyd George has just told domestic servants that "it is not too late!" Is it too late, I wonder, for pharmacists? Humility is a beautiful sentiment and may be gracefully applied, no doubt, but it is scarcely the proper attitude, considering the interests that are at stake. While Rome burned Nero fiddled, and while chemists are calmly looking on the doctors are fighting and hope soon to hand practically all the paupers over to the chemist for something better than burnt sugar and ammonia. I do not often weary your readers nowadays, but I write with the object (and I have it very much at heart) of imploring all qualified men to see whether a long pull, a strong pull, and a pull all together over the "contracting out" clause in the Insurance Bill cannot give them what they should surely have—their rightful position under that clause, not in principle only, but in cash as well. What possible reason can there be against an amendment which shall provide that insured persons who "contract out" shall make their own arrangements with the doctor for attendance and the chemist for medicines and appliances? There must be a very weak spot in our Parliamentary machinery to allow the clause to remain in its present form and to permit medical men to take all and leave no crumbs, and I trust that even at the eleventh hour this piece of selfishness will be frustrated. Why not a monster petition set rolling by THE CHEMIST AND DRUGGIST?

Yours faithfully,

WALTER H. KEEN.

Penzance.

[Other communications on this subject come to us as we go to press.—EDITOR *C. & D.*]

The Rights of the Pharmacy and Drug-store Proprietors

SIR,—Kindly allow me to reply to the remarks of Xrayser II. in your issue of November 18, wherein he speaks of the impudence and impertinence of the P. and D. S. Proprietors. When fighting a just cause, vital to one's vested interests, I submit such so-called impudence and impertinence can be forgiven, and at times tolerated, even by one's enemies; but cold, hard, bigoted selfishness as evinced by Xrayser's remarks is mean and despicable in the extreme. His query, What are the rights of the P. and D. S. Proprietors? suggests to me either a lamentable ignorance of the laws governing pharmacy and the drug-trade generally, or a malicious and prejudiced stupidity regarding the civil rights of upwards of 10,000 unregistered but capable and practical chemists; men who have been literally cradled in pharmacy and have also invested their hard-earned capital in business and done as much as their registered brethren in the development of the drug-trade, but who, unfortunately, lack the services of a Parliamentary secretary. The rights and privileges of these trained and educated men are by virtue of their indentured apprenticeship identical and on a par with the registered pharmacist, save with one exception, the right to retail the scheduled poisons. Now let me ask and answer one question, How did the Minor chemists get the title Pharmacist; did they earn it? No! a thousand times No! It was given them as a sop and a palliative in connection with Lord Crewe's Pharmacy Bill. Where then, I ask, does the impudence and impertinence of the P. and D. S. Proprietors come in, whose numerical strength equals the registered section, and who are only seeking by precedent to safeguard their vested and legitimate interests now threatened by Parliamentary reforms, which were undreamed of at the time of the passing of the Pharmacy Acts? It would be interesting to know what the Major chemists thought when their hard-earned titles were redistributed.

Yours, etc.,

A. D. HUTCHINSON

(President of the Nottingham Branch Incorporated Society Pharmacy and Drug-store Proprietors).

SIR,—Xrayser's reflections on the Pharmacy and Drug-store Proprietors' rights are happily only reflections. No reader of his article can judge it otherwise. I will hasten to set him at ease as to our asking to be admitted to the Pharmaceutical Register as a qualification to dispense. If Xrayser II. will turn to your report in the *C. & D.* of November 11 regarding our deputation and

read suggested amendment No. 2, he will find we suggest to the Government, if they insist in confining the dispensing to any particular class, that we as duly apprenticed men be admitted to the Pharmaceutical Register. That is, if a monopoly is to be created. Then why not now, as in 1868, admit all persons carrying on a legitimate business as a pharmacy and drug-store proprietor? Regarding Xrayser's remarks referring to those persons who are legally qualified to dispense, how does he arrive at his decision as to who are legally qualified? The holding of the pharmaceutical certificate only protects the holder so far as the dispensing and retailing of scheduled poisons is concerned. The unregistered chemist has the right to dispense any prescription which does not bring him within the Poisons and Pharmacy Act, 1908—a right that has never been disputed. Our good friend also states that every prescription does not contain a scheduled poison, but a vast number do. I wonder how vast that number is. Greatly in the minority, I am afraid. Will Xrayser II. kindly answer these two questions?

(1) What qualification has the registered chemist that allows him to lay claim to the monopoly of the right to supply all surgical and medical requisites under the National Insurance Bill?

(2) If, as he states, the registered chemist is the only person qualified to dispense, why all this hue and cry for protection in the National Insurance Bill?

In conclusion, I would ask Xrayser to point out the fallacies in our case and not leave it to a member of Parliament, who, I am sure, is fully occupied watching the interests of his constituents. I trust the Government will see that this is an attempt at class monopolisation and will not allow the minority to rule. Our Society only asks to retain that which we have—a fair field and no favours.

Yours faithfully,

MEMBER OF THE P. AND D.S.A. (242/90.)

SIR.—The letter of "Ricardo" in the *C. & D.* of November 25 is very ingenious. In his village are three sellers of drugs, etc., two unqualified, the third possessing a certificate which gives him a great legal advantage over his competitors; and yet "Ricardo" acknowledges failure and is "contemplating a move." Why? "Because of undue competition." Is it not rather a case of the survival of the fittest? We drug-store proprietors claim that by practical business knowledge, progressive methods, and a thorough revision of old-time price-lists, we have forced our way to the front. This, I presume, is what "Ricardo" means by the "deteriorating influence of unqualified drug-sellers." I fear "Ricardo" is one of those people who have not yet learned that a certificate, hung in a conspicuous place, is no compensation, in the customer's estimation, for a dear pennyworth, even when the seller is fit for the vocation by upbringing, by education, and by examination. The last part of "Ricardo's" letter is highly suppositional, and evidently written before he has thoroughly read the Insurance Bill.

Yours respectfully,

S. L. (246/47.)

Xrayser II. also writes as follows in reply to the letters printed last week:

The drug-store proprietors are still pushing their claim to employment under the Insurance Act, and I need therefore make no apology for returning to the subject. The lesson in "logic" given to me by your correspondent "S. L." notwithstanding, I am hardened in my previously expressed opinion of this claim. "S. L." argues that to deprive us in their interest of all the business we carry on in common with them, and for which we are equally qualified, is the same thing in principle as to exclude them in the interest of the public from a business they do not carry on, and for which they are not qualified. The fact that by being so excluded they will probably lose some of the business they already do is, logically, an accident. It is due entirely to themselves. They have chosen to trade as druggists without legal qualification; they could at any time have qualified, they can still qualify, on the same terms as ourselves. Those terms the Legislature has declared necessary for the protection of the public, and although ostensibly protection from certain poisons only was aimed at, it is notorious that the intention of the Pharmacy Acts was to raise the standard of pharmaceutical education generally in the public interest. That intention these men have ignored. There is nothing illegal in this, but it does not justify their claim to prefer-

ential treatment; indeed, the very reverse is the case. The effect of their past action is well shown in the letter of "Ricardo" in your last week's issue, a letter I welcome on other grounds also. It confirms what I said recently with regard to the stiffening of the Preliminary. It is not true that an easy Preliminary by tempting half-educated youths into the trade has caused the rapid growth of the drug-store parasite, for evidently drug-store men do not trouble themselves to pass it. My present point, however, is that ultimately these stores, if not checked, will to a large extent defeat not only the implied but the explicit intention of the Pharmacy Acts by driving the true pharmacist out of business in many neighbourhoods. It is a legitimate reason for welcoming the Insurance Bill that it will either compel them to qualify or restrict their trade.

Chemists' Window-displays.

SIR.—In reply to Mr. Harper's remarks, he does not quite seem to have grasped what I mean—viz., Which should secure first prize between a window dressed with a scheme as a whole, or one dressed with goods having a scheme in the centre only? The former would be more striking, more original, more attractive, and decidedly more novel than the latter, which Xrayser II. states, "that to attract you must have novelty." The more one goes into the subject and art of window-dressing the more one is convinced that some competitions are not judged on a proper basis; a winning window in one competition is passed over by the judges in another, evidently not appealing to their particular style! This sort of thing could be avoided if a standard could be set up; and if we can get an answer to my question we shall be getting a little towards that end. Disappointed competitors, please air your views on the subject!

Yours faithfully,

VERB. SAP. (241/41.)

Subscribers' Symposium.

For questions, answers, incidents, and interchange of opinions among "*C. & D.*" readers.

A Rare Virtue.

A propos of your observations on Sadow's cocoa, did you notice the statement by a contemporary that it is designed to secure increased volubility?—J. B. (58/3).

Medicines, Stamped and Unstamped.

A *Wigan Chemist* (246/44) writes: An Excise officer has been spending his holidays in this district, and making a few captures of unstamped medicines, chiefly of diarrhoea-mixture. Chemists who supply this unstamped would do well to have another look at their labels to make sure they are not liable.

Filing Price-lists.

Your correspondent "Esrom" (234/56), *C. & D.*, November 25, will find "Moore's Modern Methods" a very suitable system for keeping in touch with price-lists, and if the system is properly carried out he will find that at any moment he can lay his hand on any given price-list and the page of any article in which he is interested. When once begun the trouble is very little to keep up to date.—Wm. Bousfield (Sutton Coldfield).

[Mr. Bousfield sends a specimen. Further particulars can be obtained on application to our Information Department.]

Appreciations.

I do not see how anyone in the drug-trade can afford to do without the *C. & D.*—(18/20.)

I have great pleasure in renewing subscription for *C. & D.*, my best investment—saves me pounds every year. (18/13.)

Kindly find enclosed my annual subscription for THE CHEMIST AND DRUGGIST. I must say that the past years have always given me satisfaction by being so up to date, and have repaid me several times over. Wishing you every success.—(20/15.)

In sending our subscription for the coming year we should like to express our great appreciation of the *C. & D.* It is a real pleasure to read it, and we hope that you will find in increased circulation the appreciation of chemists generally.—(15/20.)

Enclosed please find 10s. for *C. & D.* subscription now due. I must say it is money excellently invested, as I find the *C. & D.* has more interesting news in it, and more useful hints, than any other paper in the trade. Every Friday afternoon I look forward with pleasure to receiving it, and with best wishes for its future prosperity.—(14/4.)

Legal Queries.

Consult the Legal Advice Section of "The Chemists' and Druggists' Diary," 1911, p. 435, before writing about your difficulty.

Dispensing (245/57).—It is the custom for employers (even medical men) to provide a substitute for a dispenser in the latter's absence on holiday.

Chemicals (246/15).—The penalty for selling wine by retail without a licence is 20*l.* over and above any other penalty to which the vendor may be liable.

J. Y. F. (17/35).—The label makes the ointment liable to medicine stamp-duty on two grounds: (1) it is proprietary, your name in the possessive case being employed; and (2) it is held out "for all skin-diseases."

Lex (247/5).—The agreement which your friend signed, in which he undertakes not to engage in the business within a certain radius, is probably in order, and it is not necessary that the duplicate given to him by his employers should be signed.

Ignoramus (247/61).—The administrator of the deceased chemist's estate is entitled to carry on the business under the conditions laid down in the Pharmacy Act, 1868, Section 16, and the Poisons and Pharmacy Act, 1908, Section 3, for which see *C. & D. Diary*, p. 436. Individual legatees (such as the widow), not being administrators, cannot carry on the business. The administrator must employ a registered chemist as manager.

H. W. F. (231/68).—The course of study for the Bar in England extends to three years. The first step necessary is to become a member of an Inn such as the Middle Temple, the Inner Temple, Gray's Inn, or Lincoln's Inn. All, except Gray's Inn, require evidence of having passed an examination in general education similar to the London Matriculation examination. In all it is necessary to produce evidence of good social standing and such other testimony to the applicant's personal qualifications as will satisfy the authorities before admitting him to the course of study on payment of the stipulated fees, which are from fifty guineas upwards, according to the Inn. These facts are usually testified to by two individuals of good commercial, professional, or social standing. It then becomes necessary for the student to eat a stipulated number of dinners in the course of each term and to attend certain lectures given at his Inn, and to enter for and pass the examinations in legal subjects at the close of the terms.

Miscellaneous Inquiries.

We do not as a rule repeat information given in this section during the past twelve months. When references are given to past issues, these should be consulted. Back numbers for the past five years can generally be obtained from our office at the published prices. We do not undertake to analyse and report upon proprietary articles.

F. T. B. (233/21).—It is THE BODY-LOUSE which your lady customer has brought back with her from Italy. All the clothing she has worn or lain in must be baked, and underclothing boiled with carbolic soap. She should have her body sponged with infusion of quassia (the hair being well saturated with it), then take a hot bath, lathering well with carbolic soap.

Chemicals (246/15).—Opium has a more astringent action than morphine—that is to say, in intestinal troubles it is more efficacious. "A belladonna habit" is not recognised. Patients get into the habit of using all sorts of drugs long after they are not therapeutically necessary. In that way a patient may continue the use of belladonna and tannin suppositories when he would be better without them.

J. L. (236/27).—(1) CHOROIDITIS.—The treatment for this can only be carried out under the direction of an ophthalmic surgeon. There are two main varieties of the disease: (1) Plastic or exudative choroiditis, the most common, and (2) suppurative choroiditis. The disease is due to inherited or acquired syphilis, tuberculosis, gonorrhoea, or simple and profound anemia. Vision persists so long as the macular region is free from the disease. The treatment consists in the administration of mercury and potassium iodide, mercurial inunctions, sub-conjunctival injections of mercuric cyanide (1 in 2,000 to 1 in 5,000), and tonics, with nutritious diet, outdoor exercise, and, as a rule, avoidance of alcoholic stimulants. The disease yields to treatment, but the success depends largely upon the extent to which the fundus is involved. There is also a tendency to recurrence. (2) TOOTH-EXTRACTION.—The root of a tooth left in the gums may cause

trouble later on if it becomes septic. Effective clearance of the remains of teeth is one of the factors upon which depends the successful adaptation of artificial dentures.

A. G. V. (Tchesmé) (238/18).—ANTI-FOULING COMPOSITION FOR SHIPS' BOTTOMS.—The following is a representative formula for this:

Indian red	...	...	...	1 cwt.
Chalk	...	...	...	1 quarter
Arsenic	...	...	...	7 lb.
Red oxide of mercury	...	...	...	7 lb.
Linseed oil	...	...	...	1½ gal.
Oak varnish	...	...	...	1½ gal.

Mix well together in a paint-mill, and then with a sufficiency of varnish-thinnings.

Tamesis (222/62).—LIME-CREAM, commonly known as "Lime-juice and glycerin." The following is a good recipe from "Pharmaceutical Formulas":

Ol. nucis	...	...	...	Oiv.
Aq. calcis	...	...	...	Oiiij.
Liq. calcis sacch.	...	...	...	3iv.
Ol. limonis	...	...	...	5ss.
Ol. bergamot.	...	...	...	5j.
Ol. neroli	...	...	...	mvj.
Ol. cinnamomi	...	...	...	mvj.

In making this add the liq. calcis sacch. to the aq. calcis, then add both to the oil, shaking vigorously in a bottle capable of holding nearly double the quantity. Let it stand for a few days, and if any oil float on the surface add a little more liq. calcis sacch. When finished add the essential oils, and allow to stand a week, shaking occasionally, then bottle.

A. H. S. (277/16).—(1) OPTICAL DIPLOMAS.—See the Educational Number of the *C. & D.* (August 12) for particulars of these. (2) BOOKS ON PHOTOGRAPHY.—The "Ilford Manual of Photography" (Ilford, Ltd., 1*s.*), Abney's "Instruction in Photography" (Iliffe, 7*s.* 6*d.*), Chapman Jones's "Science and Practice of Photography" (Iliffe, 6*s.*). (3) BOOK ON MEDICAL DIAGNOSIS.—Parkinson's "Diagnosis of Disease" (Baillière, 4*s.*).

J. H. F. (Basutoland) (274/38).—GREEN COLOURING FOR FATS.—Chlorophyll soluble in fats is obtainable, and is suitable for colouring ointments. The green colour can also be imparted by digesting grass or elder-leaves in the melted fat. The hemp-seed tincture is not intended for this purpose.

Staff (232/33).—DOVE-SEED:

Millet-seed (yellow, red, and white)	...	...	...	9 oz.
Buckwheat,				
Crushed wheat,				
Crushed maize	...	...	of each	1 oz.
Hemp-seed,				
Rice,				
Small peas	...	...	of each	½ oz.

Mix.

G. G. W. (222/6).—BLACK BEER.—This term covers several distinct varieties of beverage. In some parts it implies merely porter or stout; in the eastern counties it is also known as spruce, because it is flavoured with spruce-pine, but in the northern and midland counties "black beer" is a dark liquid flavoured with horehound. From your place of residence we gather that it is the last named to which you refer. The following is a working recipe:

For 30 gals. of black beer take 8 oz. of quassia-chips and five to six dozen sprigs of horehound and boil for half an hour in 10 gals. of water; strain, and add 1½ pint of lime-juice and ½ lb. of liquorice-juice (previously dissolved in water and strained). To the liquid add 10 lb. of brown sugar and water to make 30 gals. Let this stand for from three to four days in a tub with a loosely fitting lid. At the end of this period take out a gallon of the liquid, warm to the temperature of new milk, and add to it a pint of fresh yeast or the equivalent of German yeast. Let this stand in a warm place until it is in a state of active fermentation, then stir it into the remainder of the beer. This in turn is stirred twice a day for a couple of days, the yeast being skimmed off as it forms. When the fermentation subsides pass the beer through a filter-bag, return it to the cleaned tub, and add to it ½ oz. isinglass previously dissolved in hot water, burnt sugar to colour, and capicum to taste. Stir well, and leave for two days in the tub, which should be covered with a cloth and tightly fitting lid. At the end of this time the beer is ready for bottling, and is fit for use in about eight days.

The flavour can be varied by the use of vanilla, cassia, cinnamon, ginger, and lemon, each maker aiming to have some

C

distinctive feature for his product. There is an aerated variety which is prepared by adding a certain quantity of a concentrated liquor to each bottle and filling up with aerated water, in the same way as lemonade is made. The black-beer liquor is made as follows:

Dissolve $\frac{1}{2}$ lb. of liquorice-juice in a gallon of boiling water in which have previously been infused 4 oz. quassia-chips and $\frac{1}{2}$ lb. of horehound-sprigs. Strain, press, filter, and clarify with isinglass, then add 4 oz. citric acid, 1 oz. of capsicin, and burnt sugar to colour. Now add sufficient brown sugar to convert the liquid into a thick syrup, which must be preserved in closely corked jars.

A. K. Y. (232/17).—(1) ELECTROLYSIS OF SUPERFLUOUS HAIR.—The process was explained in the *C. & D.*, December 31, 1910, index folio 968. The necessary outfit is obtainable from Messrs. S. Maw, Son & Sons. (2) FOUNTAINS FOR WINDOW-DISPLAYS.—We have published details of these in the *C. & D.*, January 27, 1906, p. 132, and May 31, 1902, p. 874. The fountains have generally been made by the local tinsmith.

B. Staff (239/35).—The INFLUENZA-MIXTURE containing quinine, salicin, and hydrobromic acid will in course of time undergo change, the salicin being hydrolysed. It is not a good mixture for influenza. Suitable preparations will be found in "Pharmaceutical Formulas."

Salcp (239/26).—MUCILAGO SALEP, PH.G.—The following is from "Pharmaceutical Formulas":

Powdered salep	...	...	...	...	ʒij.
Cold water	...	...	...	...	ʒiiss.
Boiling water	...	...	...	...	ʒxxv.

Mix the salep with the cold water thoroughly, then pour on the boiling water, and agitate well to make a uniform mucilage.

T. W. (235/2).—"Quintum" is a synonym for ceratum simplex, now represented in the B.P. by unguentum cetacei.

Waltham (240/43).—CHILBLAIN-TABLETS.—The formula which you want is—

Camphor	...	...	...	...	3viij.
Iodine	...	...	...	...	3ij.
Oil of eucalyptus	...	...	...	...	3xv.
Terebene	...	...	...	...	3xv.
White beeswax	...	...	...	...	lb. ij.
Soft paraffin	...	...	...	...	lb. iv.

Crux (234/49).—DIARRHŒA IN TURKEYS.—The symptoms which you describe are consistent with tuberculosis, principally of the liver and intestines. The turkey is one of the most delicate of our domestic fowls to rear, and extra precautions must be taken in the breeding; on no account should feeble or delicate stock be allowed to breed, as it encourages and is the cause of most of the ailments to which the bird is liable. No breed of fowls require more attention and consideration in mating than turkeys, and it is imperative to introduce fresh blood every year by replacing with a new and unrelated male. Give food regularly, and of good quality, containing warmth-giving material, such as oatmeal and meat, with a pinch of mustard, or dry boiled rice mixed with oatmeal and a little chopped onions. A little hemp-seed may also be given, as it is invaluable as a heat-producer. Try the following, to be given daily:

Pulv. opii	...	...	...	gr. j.
Pulv. catechu	...	...	...	gr. ij.
Pulv. kino	...	...	...	gr. ij.
Pulv. cretæ	...	...	...	gr. ij.
Pulv. acaciæ	...	...	...	gr. iij.—M.

W. R. W. (134/40).—MAIL-ORDER BUSINESS.—There is not, so far as we are aware, any book dealing with business conducted through the post. As a chemist, you will probably find a series of proprietary articles the most suitable for advertising, and to ensure success it is necessary that these have some feature which raises them above the level of similar products. It is this point which is sometimes overlooked, with the result that the money spent on the advertising campaign is wasted. Sales take place not only as the result of the advertisements, but from the recommendation of users. From this you will see that your first step is to devise an article or articles of merit and then work out the rate of profit, the cost to include the money spent on postage. It will be a cheap experience if you answer a few of the advertisements of the class of goods referred to. The question of the publications to employ for advertising depends upon the class of goods for sale, but you will probably find it the best to begin on a moderate scale, and increase your advertising in those quarters which bring the best results.

M. N. (239/53).—TRADE-MARK REGISTRATION.—The signature of an applicant or some predecessor in his business can be registered as a trade-mark. A marble-cleaner should be registered in Class 47. You will find these particulars in *The Chemists' and Druggists' Diary*, 1911, p. 205.

J. H. S. (244/50).—BOOK ON PHARMACEUTICAL CHEMISTRY.—We suggest that Attfield's "Chemistry" will suit the circumstances you mention, but a full list of Minor books was given in the Educational Number (August 12, index folio 300), which you should consult.

Foreigner (Weisbaden) (240/56).—BRITISH PHARMACY.—There is no book in English corresponding to Buchheister's "Handbuch der Drogisten-Praxis," but a knowledge of the drugs employed and the methods of compounding them would best be obtained from the "Art of Dispensing" (*C. & D. Office*, 6s.), Squire's "Companion to the British Pharmacopœia" (Churchill, 14s.), and Martindale's "Extra Pharmacopœia" (Lewis, 12s.).

Tum-Tums (230/7).—(1) FLESH-FORMING.—Digestive stimulants and ferments, with possibly tonic ingredients—glycerophosphates, strychnine, etc.—are employed in flesh-forming tablets. A course of casein-food, containing about 5 per cent. of glycerophosphates of sodium and calcium, and malt-extract in large doses, would be the best to recommend to the healthy but thin person who cannot tolerate cod-liver oil. (2) FIRE-EXTINGUISHING POWDER.—This is frequently merely coloured sodium chloride, but the following are also recommended:

A. Sodium chloride	...	...	3 parts	
Ammonium chloride	...	...	3 parts	
Sodium bicarbonate	...	...	4 parts	—Mix.
B. Ammonium chloride	...	...	5 parts	
Sodium sulphate	...	...	3 parts	
Sodium bicarbonate	...	...	2 parts	—Mix.

These powders act partly by smothering the flames and partly owing to the production of gases which do not support combustion. On the theory of absorbing oxygen and so putting out a fire, a mixture of potassium nitrate, sulphur, and charcoal—gunpowder, in fact—has been put forward, but the suggestion is open to obvious objections.

Australia (223/27).—GLUTEN-BREAD FOR DIABETIC PATIENTS.—The following outline of the process of manufacturing gluten-bread is from Jago's "Technology of Breadmaking":

A strong flour should be selected and made into a stiff dough with water only; this is allowed to stand for almost an hour, and then carefully kneaded in small pieces at a time in a vessel of water; the starch escapes and the gluten remains behind. Care is necessary in performing this operation, as otherwise the lump of dough does not hold together. Should there be any difficulty the dough may be enclosed in muslin prior to being kneaded. The gluten must be washed in successive waters until it no longer contains starch; at this point the gluten ceases to render the washing-water milky. When properly washed the gluten is ready for the oven, and is usually baked in small rolls or buns. As it swells enormously during the baking, a very small piece is sufficient for each roll.

Retrospect of Fifty Years Ago.

Reprinted from "The Chemist and Druggist," December 14, 1861.

The Right of Chemists and Druggists to Prescribe.

In our last impression we laid before our readers a legal opinion upon the questions, so important to the trade, as to the right of pharmacists to prescribe for their customers. The opinion which we obtained for this purpose has, we are glad to remark, excited the attention, generally favourable, of our contemporaries. The *Pharmaceutical Journal*, which in one of its earliest volumes devoted considerable attention to this topic, quotes our case as submitted to counsel, together with the opinion, in the following terms of approval, of which we acknowledge the politeness: "The proprietor of that publication" (our own) "has gone to the expense of obtaining a counsel's opinion with reference to the right of Chemists and Druggists to prescribe, and the case is so fairly stated, and the opinion so entirely in accordance with the views set forth in our pages, that we give here the questions and opinion for the benefit of our readers." After which the former follows in due course, and the editor reprints an extract from his own journal for July, 1855, which we in turn extract in another column for the benefit of our own readers.

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The New Shape, Oval Fronted Bottles, 6 ounce size, 8/6 per gross.

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3 & 4 6 & 8 12 16 ounce. } Round edges, plain or
7/6 8/6 12/- 18/- per gross } graduated, clear blue tinted.

PANEL BOTTLES (New Series), Green or Blue Glass.

Good Quality.

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" 2s. 9d. " (168 ") ... **25/-**
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- F**ol. Sennæ Tinnev., 3½ cwt. @ 2½d. lb.; 1 cwt. @ 3½d. lb.; 7 lbs. @ 3½d. lb.; English Ground, 1 cwt. @ 5½d. lb.; 56 lbs. @ 6d. lb.; 7 lbs. @ 7d. lb.
- Formaldehyde, 40%, 132-lb. Carboys @ 5½d. lb.; 7 lbs. @ 7½d. lb.
- Fuller's Earth, fine powder or lump, 5 cwt. @ 5/- cwt.; 1 cwt. @ 6/- cwt.
- G**allæ Caerul. Pulv., 7 lbs. @ 1/- lb.
- Gamboge, English Ground, 7 lbs. @ 3/6 lb.; 1 lb. @ 3/10 lb.
- Ginger, English Ground, 1 cwt. @ 62/- cwt.; 7 lbs. @ 7½d. lb.
- Gingerine, Extra, 5 lbs. @ 9/6 lb.; 1 lb. @ 10/- lb.
- Glycerin. Opt., DD., 1260 P.B., 1 cwt. @ 112/- cwt.; 56 lbs. @ 113/- cwt.; 12 lbs. @ 1/3½ lb.
- *Glycerin. Acid. Boric P.B., 6 lbs. @ 1/5 lb.
- * " Acid. Carbolic P.B., 6 lbs. @ 1/5 lb.
- * " Acid. Tannic P.B., 6 lbs. @ 1/5 lb.
- * " Belladonna B.P.C., 6 lbs. @ 2/7 lb.; 1 lb. @ 2/10 lb.
- *Glycerin. Boracic P.B., 6 lbs. @ 1/2 lb.
- * " Peppine Acid, P.B., 1 lb. @ 3/1 lb.
- *Glycerine Plumbi, subacet., P.B., 6 lbs. @ 1/6 lb.
- Gran. Parad., 1 cwt. @ 115/6 cwt.; 7 lbs. @ 1/2 lb.
- Gamboge, 7 lbs. @ 1/4 lb.
- Guaiaacul Carb., 7 lbs. @ 8/- lb.; 1 lb. @ 8/6 lb.
- Guaiaacul, pure, 1 lb. @ 6/9 lb.
- Gum Acaciae sortis, 3 cwt. @ 57/6 cwt.; 1 cwt. @ 60/- cwt.; 7 lbs. @ 7½d. lb.; English Ground Powder, No. 1, 1 cwt. @ 95/- cwt.; 7 lbs. @ 1/- lb.; No. 2, 1 cwt. @ 75/- cwt.; 7 lbs. @ 10d. lb.
- Gum Benzoin, Sumatra, 84 lbs. @ 1/5 lb.; 7 lbs. @ 1/8 lb.
- Gum Catechu, Nig. English Ground, 1 cwt. @ 50/- cwt.; 14 lbs. @ 6d. lb.
- Gum Guaiac, 1 cwt. @ 1/3 lb.; 28 lbs. @ 1/5 lb.
- Gum Juniper, 14 lbs. @ 10d. lb.
- Gum Thus Elect, 2½ cwt. @ 28/- cwt.; 28 lbs. @ 32/3 cwt.
- Gum Tragac. Elect., English Ground, 7 lbs. @ 3/8 lb.; 1 lb. @ 3/11 lb.
- *Heading (Frothing Ess.), 5 lbs. @ 1/1 lb.
- Heliotropine, 1 lb. @ 7/- lb.
- Hellebore White Powder (Foreign Ground), 1 cwt. @ 28/6 cwt.
- Hexamethylenetetramine, 7 lbs. @ 2/- lb.; 1 lb. @ 2/3 lb.
- Honey, Pale Set, Jamaica, 3½ cwt. @ 39/- cwt.; 28 lbs. @ 50/- cwt.; Californian ½ cwt. @ 60/- cwt.; 7 lbs. @ 7½d. lb.
- Hydrargyrum, P.B., 75-lb. bottle @ 18/10; 28 lbs. @ 2/6 lb.; 1 lb. @ 2/9 lb.; Ammon., 28 lbs. @ 3/1½ lb.; c. Creta, 28 lbs. @ 1/5 lb.; Iodid. Rub., 28 lbs. @ 8/9 lb.; Oxid. Rub., 28 lbs. @ 3/1½ lb.; Perchlor., Lump, 28 lbs. @ 2/6½ lb.; Subchlor., 28 lbs. @ 2/10 lb.; Sulph. c. Sulph., 28 lbs. @ 2/8½ lb.; 7-lb. quantities 1d. lb. extra, 3 lbs. quantities, 2d. lb. extra, 1-lb. quantities 3d. lb. extra.
- Hydrokinone, 7 lbs. @ 2/9 lb.; 1 lb. @ 3/- lb.
- I**chthyol Ammon., 3 lbs. @ 10/9 lb.; 1 lb. @ 11/- lb.; chemical substitute; Ammon Ichthosulphonas, B.P. Codex, 7 lbs. @ 5/- lb.; 1 lb. @ 5/6 lb.
- *Inf. Aurant. Conc., 1 to 7, 6 lbs. @ 1/3 lb.
- * " Aurant. Comp. Conc., 1 to 7, 6 lbs. @ 1/3 lb.
- * " Buchu Conc., 1 to 7, 6 lbs. @ 1/8 lb.
- * " Calumbæ Conc., 1 to 7, 6 lbs. @ 11d. lb.
- * " Caryoph. Conc., 1 to 7, 6 lbs. @ 11d. lb.
- * " Cascarilla Conc., 1 to 7, 6 lbs. @ 1/2 lb.
- * " Cinchonæ Acid, 1 to 7, 6 lbs. @ 1/7 lb.
- * " Gentianæ Conc., 1 to 7, 6 lbs. @ 1/- lb.
- * " Quassia Conc., 1 to 7, 6 lbs. @ 9d. lb.
- * " Rhei Conc., 1 to 7, 6 lbs. @ 1/5 lb.
- * " Rosæ Acid. Conc., 1 to 7, 6 lbs. @ 1/8 lb.
- * " Senegæ Conc., 1 to 7, 6 lbs. @ 2/- lb.
- * " Valerian Conc., 1 to 7, 6 lbs. @ 1/3 lb.
- Insect Powder, Opt. English grd., closed flowers, 28 lbs. @ 1/8 lb.; 7 lbs. @ 1/9 lb.; English Ground, ½ closed flowers, 4d. lb. less; Foreign Ground, 1 cwt. @ 80/- cwt.; 28 lbs. @ 9d. lb.
- Iodoform Pulv. B.P., 7 lbs. @ 12/- lb.; 3 lbs. @ 12/4 lb.; 1 lb. @ 12/7 lb.
- Iodum, resub. B.P., 7 lbs. @ 10/3 lb.; 1 lb. @ 10/9 lb.
- Isinglass, Brazil, fine cut, 7 lbs. @ 3/9 lb.; 1 lb. @ 4/- lb.; Russian finest, 7 lbs. @ 10/6 lb.; 1 lb. @ 11/- lb.; Ribbon or Sheet, 7 lbs. @ 2/9 lb.; 1 lb. @ 3/- lb.
- K**amala, 7 lbs. @ 1/4 lb.; sifted, 6d. per lb. extra.
- L**apis Pumicis, fine powder, 2 cwt. @ 8/- cwt.; 7 lbs. @ 1½d. lb.; lump, 2 cwt. @ 12/- cwt.; 7 lbs. @ 3d. lb.
- Licorice Juice, 4 and 2-oz. Sticks, 5 cwt. @ 57/- cwt.; 1 cwt. @ 58/- cwt.; 28 lbs. @ 7d. lb.; 7 lbs. @ 7½d. lb.
- *Lin. Aconiti Meth., 5 lbs. @ 1/2 lb.; 1 lb. @ 1/5 lb.
- * " Bellad. Meth., 5 lbs. @ 1/5 lb.; 1 lb. @ 1/8 lb.
- * " Bellad. Meth., 5 lbs. @ 1/5 lb.; 1 lb. @ 1/8 lb.
- * " Bismuth, P.B., 6 lbs. @ 1/1 lb.
- * " Copaiba Bucha et Cubeb, 5 lbs. @ 2/6 lb.; 1 lb. @ 2/10 lb.
- * " Easton, p.s. 1-3, B.P., 1 lb. @ 3/- lb.
- * " Ferri Dialisatus, 6 lbs. @ 7d. lb.
- * " Ferri Iod. p.s., 1-7, 1 lb. @ 5/9 lb. (4d. lb.)
- * " Ferri Perchlor. Fort., P.B. 7 lbs. @ 7d. lb.
- * " Ferri Phosph. Co. p.s., 1-7, 7 lbs. @ 1/6 lb.
- * " Hamamelidis 6 lbs. @ 1/1 lb.
- * " Hypophosph. Co. p.s., B.P.C., 1 lb. @ 3/4 lb.
- * " Iodi Fort B.P., 5 lbs. @ 4/9 lb.
- * " Morphinae Acet. or Hydrochlor, P.B., 6 lbs. @ 2/11 lb.
- * " Opil Sed., 5 lbs. @ 3/11 lb.
- * " Plumbi Subacet., B.P., 7 lbs. @ 2½d. lb.
- * " Pruni Virg. p.s., 1-7, 5 lbs. @ 2/2 lb.
- * " Rheados por syr., 1 to 7, 5 lbs. @ 1/11 lb.
- * " Rhei p.s., 1-7, 6 lbs. @ 2/2 lb.
- * " Santali Co., 1 lb. @ 3/- lb.
- * " Sennæ Dulc., 6 lbs. @ 1/4 lb.
- * " Sennæ por Syr., 1-7, 6 lbs. @ 2/- lb.
- * " Strychnina, Hyd. B.P., 6 lbs. @ 1/6 lb.
- * " Tolut por Syr., 1-7, 6 lbs. @ 1/3 lb.
- * " Trinitrini B.P., 1 lb. @ 6/1 lb.
- Lithia Carb. P.B., 28 lbs. @ 2/8 lb.; 7 lbs. @ 2/10 lb.; 1 lb. @ 3/- lb.
- " Citras, B.P., 28 lbs. @ 2/6 lb.; 7 lbs. @ 2/9 lb.; pulv., 3d. lb. extra.
- Lycopodium, 22 lbs. @ 2/3 lb.; 7 lbs. @ 2/5 lb.
- M**ag. Calc. Levis, 56 lbs. @ 8d. lb.; 5 lbs. @ 10d. lb.; 1 lb. @ 1/- lb.
- Mag. Calc. Pond., 7 lbs. @ 1/10 lb.; 1 lb. @ 2/- lb.
- Mag. Carb. Pond., 56 lbs. @ 6½d. lb.; 7 lbs. @ 7½d. lb.
- Mag. Carb. Levis., 1 cwt. @ 25/-; 7 lbs. @ 4d. lb.
- Mag. Cit. Gran., 28 lbs. @ 8d. lb.; 6 lbs. @ 9½d. lb.
- Mag. Sulph., fine druggists', B.P., 1 cwt. @ 6/- cwt.
- Manna, fine New Flake, 14 lbs. @ 5/- lb.; 7 lbs. @ 5/3 lb.; 1 lb. @ 5/6 lb.
- Menthol, dry white cryst., 60 lbs. @ 27/6 lb.; 5 lbs. @ 28/6 lb.
- *Mist. Sennæ Comp. B.P., 20 lbs. @ 6½d. lb.
- 6 lbs. @ 7½d. lb.
- Morphinae Acet. Hydrochlor. or Sulph., Pulv. B.P., 25 oz. @ 12/3 oz.; 16 oz. @ 12/6 oz.; 8 oz. @ 12/7 oz.; 1 oz. @ 13/9 oz.; Pur. Præcip. Bimeconate or Tart. 1 oz. @ 15/11 oz.
- Morphine Diacetyl., 4 oz. @ 16/2 oz.; 1 oz. @ 16/11 oz.; Hydrochlor., 6d. per oz. less.
- Myrrh. Gum, English Ground, 28 lbs. @ 10d. lb. 7 lbs. @ 1/1 lb.
- N**apthalene, Candles or Balls, 1 cwt. @ 12/6 cwt. 56 lbs. @ 14/6 cwt.; 28 lbs. @ 16/- cwt. Nux Areca, 1 cwt. @ 22/- cwt.; 7 lbs. @ 3d. lb.; powder, English ground, @ 59/- cwt. 7 lbs. @ 7½d. lb.
- O**l. Amygdal. Ang., B.P., 9 lbs. @ 2/7 lb.
- Ol. Amygdal. Essent. Artificial, free from Chlorine, 5 lbs. @ 3/- lb.; 1 lb. @ 3/9 lb.
- Ol. Anethi Ang. B.P., 1 lb. @ 12/- lb.
- Ol. Anisi, E.I., 66 lbs. @ 6/- lb.; 16½ lbs. @ 6/3 lb.; 4½ lbs. @ 6/5 lb.; 1 lb. @ 6/8 lb.
- Ol. Aurant, 12 lbs. @ 8/- lb.; 1 lb. @ 9/- lb.; not guaranteed absolutely pure.
- Oil of Bays, genuine W.I., 9 lbs. @ 15/- lb.
- Ol. Cajuput, B.P., 21½-oz. Bots. @ 2/9 lb.
- Ol. Camphor. Essent., White, 80 lbs. @ 56/- cwt.; 40 lbs. @ 60/- cwt.; brown, 80 lbs. @ 70/- cwt.; 40 lbs. @ 74/- cwt.
- Ol. Caryoph. Ang., B.P., 9 lbs. @ 4/9 lb.; 4½ lbs. @ 4/11 lb.
- Ol. Cassia, 16 lbs. @ 4/- lb.; 6 lbs. @ 4/5 lb.
- Ol. Cinnam. B.P., 1 lb. @ 28/- lb.; 1 oz. @ 2/2 oz.
- Ol. Citronelle, 9 lbs. @ 1/5 lb.
- Ol. Cocoa Nuts, finest White, 80 lbs. @ 55/- cwt.; 40 lbs. @ 57/6 cwt.
- Ol. Eucalypt., B.P., 1 cwt. @ 1/3 lb.; 28 lbs. @ 1/4 lb.; 9 lbs. @ 1/5 lb.
- Ol. Gerani Gall. Opt., 1 lb. @ 18/6 lb.; 8 1-oz. bots. @ 2/1 oz.; 1 oz. @ 2/3 oz.; Turc., 1 lb. @ 2/6 lb.; 4 oz. @ 15/- lb.
- Ol. Gynocardia, 5 lbs. @ 2/6 lb.; 1 lb. @ 2/10 lb.
- Ol. Juniperi Bacc., B.P., 4½ lb. @ 3/6 lb.; 1 lb. @ 3/10 lb.; Ligne Exot., 1 cwt. @ 1/2 lb.; 28 lbs. @ 1/4 lb.; 9 lbs. @ 1/5 lb.
- Ol. Lavand. ab Flor., 5 lbs. @ 12/- lb.; 1 lb. @ 12/6 lb.
- Ol. Menth. Pip. English, 5 lbs. @ 33/6 lb.; 1 lb. @ 35/- lb.; Hotchkiss original bots., 21 oz. each @ 16/3 lb.; 6 bots. @ 15/9 lb.; 18 bots. @ 15/6 lb.; American, 20 lbs. @ 12/9 lb.; 4½ lbs. @ 13/5 lb.; 1 lb. @ 13/11 lb.
- Japanese, 60 lbs. @ 7/10 lb.; 5 lbs. @ 8/3 lb.
- Ol. Morrhuæ, Nov. 1910, finest non-freezing, 25 gall. tin-lined barrels @ 114/- per barrel; 2-gall. tins @ 5/6 per gall. [lb.]
- Ol. Myrbane, 1 cwt. @ 48/- cwt.; 9 lbs. @ 6½d. lb.
- Ol. Myristica, 7 lbs. @ 3/4 lb.; 1 lb. @ 3/8 lb.
- Ol. Nucis Pallid., 45 galls. @ 3/8 gall.; 2 gall. tins @ 4/6 gall.
- Ol. Olivæ P.B., good yellow, guaranteed pure, 45 gall. Barrels @ 4/8 gall.; 2-gall. tins @ 5/8 gall.; fine cream, 9-lb. tins @ 2/2 each.
- Ol. Origan Rub., Coml., 28 lbs. @ 1/5 lb.; 9 lbs. @ 1/7 lb.
- Ol. Peach Kernel (so-called), 1 cwt. @ 10½d. lb.; 56 lbs. @ 11d. lb.; 9 lbs. @ 1/- lb.
- Ol. Pulegii, B.P., 5 lbs. @ 5/6 lb.; 1 lb. @ 6/- lb.
- Ol. Ricini Alb. Opt. Medicinal, 176 lbs. @ 42/- cwt.; 88 lbs. @ 44/6 cwt.; 44 lbs. @ 46/- cwt.; 9 lbs. @ 6d. lb.; for export, 1 cwt. drums recommended, 9/6 each extra or 3½ cwt. barrels @ 40/6 cwt.
- Ol. Rosmarini Coml., 28 lbs. @ 1/6 lb.; 9 lbs. @ 1/7 lb.; B.P., 9 lbs. @ 2/5 lb.; 1 lb. @ 2/9 lb.
- Ol. Santal Flav. Ang. B.P., 5 lbs. @ 10/11; 1 lb. @ 11/3 lb.
- Ol. Sassafras, genuine, 28 lbs. @ 3/3 lb.; 1 lb. @ 3/8 lb.
- Ol. Sinapis Express, 1-gall. tins @ 4/6 each.
- Ol. Staphisagria, Ang., 9 lbs. @ 4/6 lb.; 1 lb. @ 5/3 lb.
- Ol. Succin. Rect., 28 lbs. @ 1/1 lb.; 9 lbs. @ 1/2 lb.; 4½ lbs. @ 1/3 lb.
- Ol. Theobromæ B.P., 8-oz. tabs., 28 lbs. @ 1/7 lb.; 7 lbs. @ 1/8 lb.
- Ol. Wintergreen, Artificial, 56 lbs. @ 1/4 lb. 5 lbs. @ 1/8 lb.; 1 lb. @ 1/10 lb.
- Opium Turc. B.P., 14 lbs. @ 28/6 lb.; 3 lbs. @ 29/- lb.; 1 lb. @ 29/6 lb.; powder, 6d. lb. extra.

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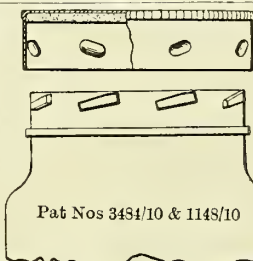


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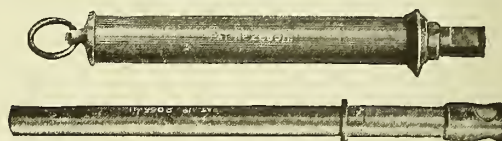
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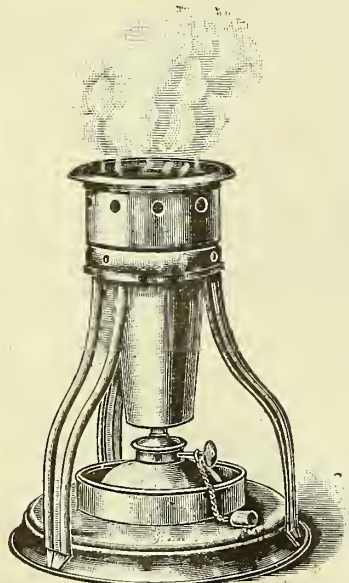
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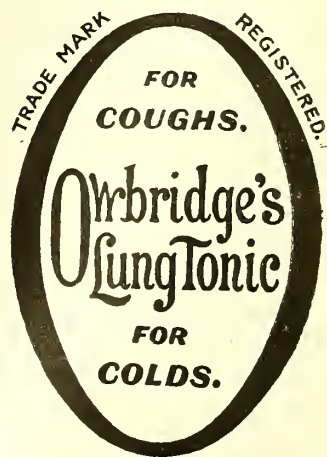
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27/- 34/- gross.
Actinic Green.
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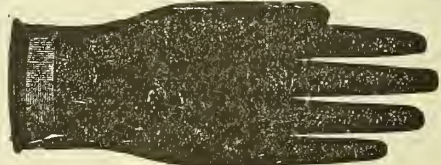
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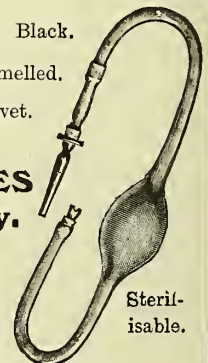


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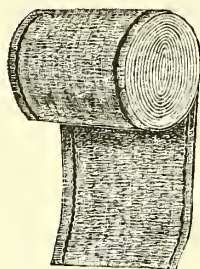
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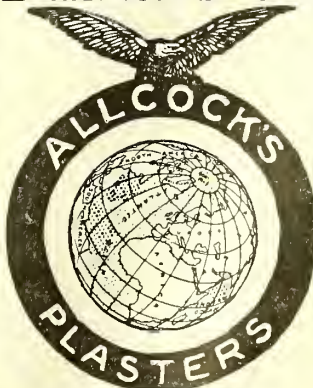
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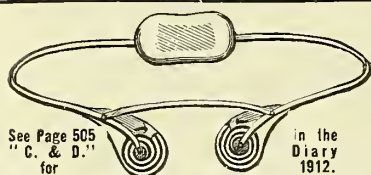


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


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Size.	Fig. 1		Fig. 2	
	s.	d.	s.	d.
10 x 6	-	4	1	
12 x 6	-	4	7	
10 x 8	-	5	2	
12 x 8	-	6	0	
14 x 8	-	6	3	
12 x 10	-	6	8	
14 x 10	-	7	6	
16 x 10	-	8	2	

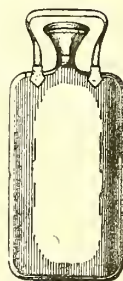


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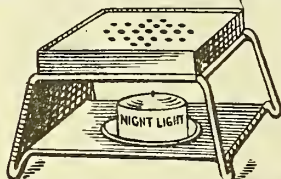
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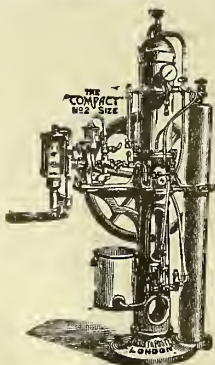
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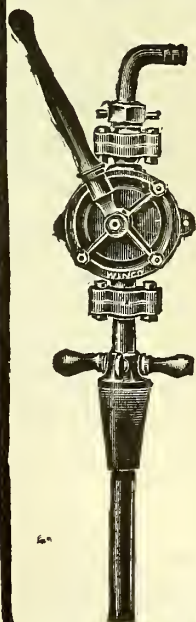
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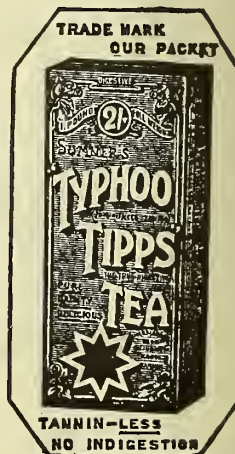
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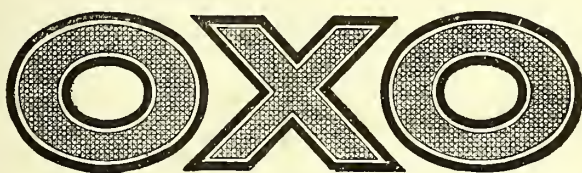
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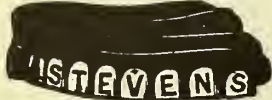
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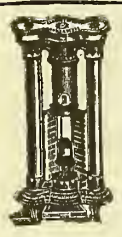
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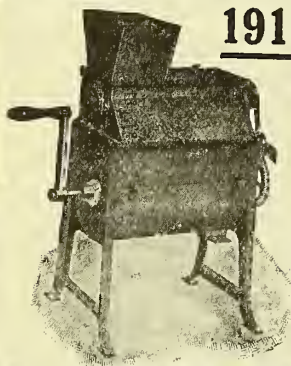
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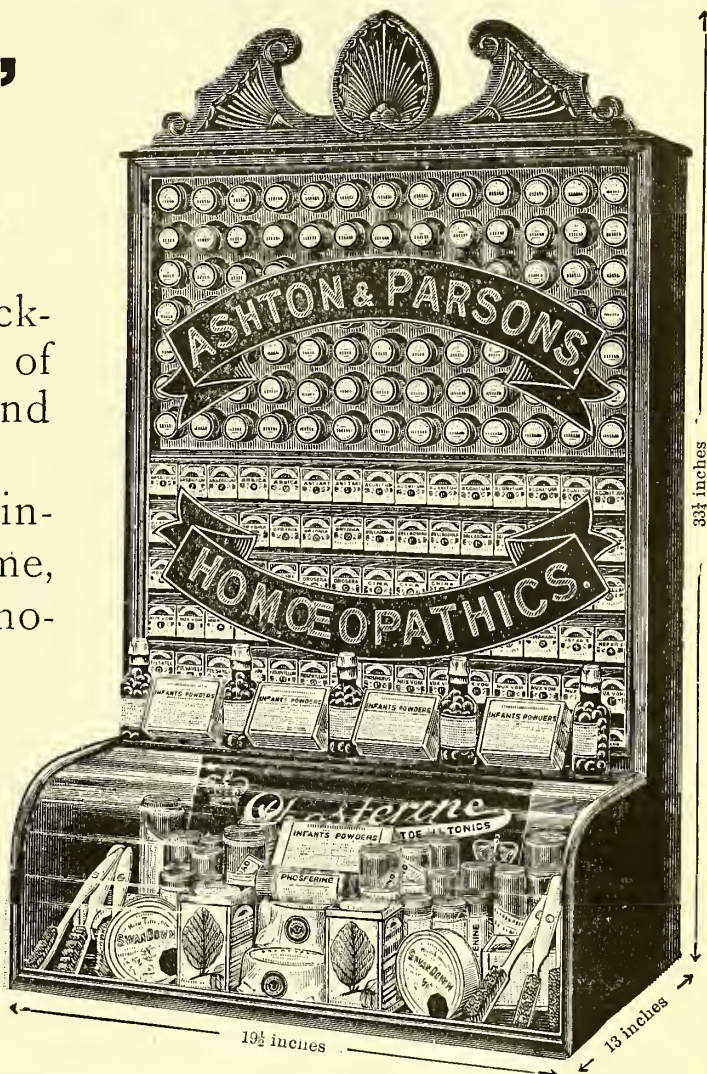
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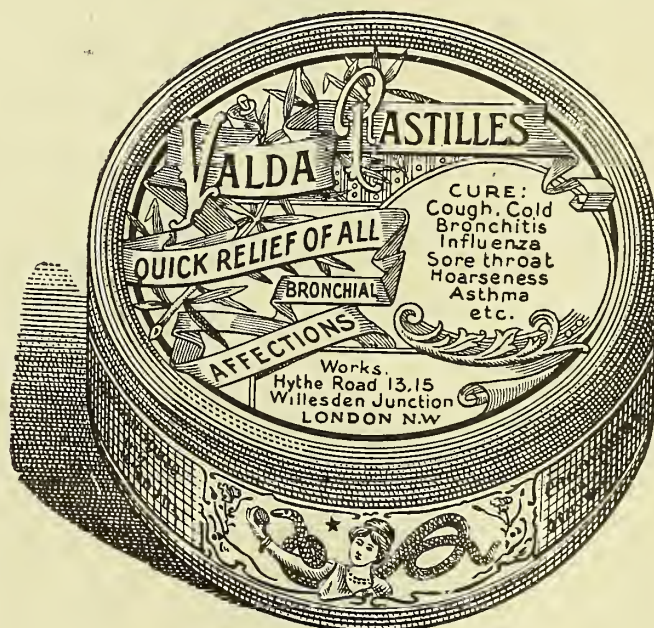
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SATURDAY, DECEMBER 2, 1911

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AGENCY.—We have always a large number of *Buyers* on our books, and we can frequently find a purchaser at once. We also have a *Private Register* for vendors who are in no hurry to sell, and who do not wish their businesses to be advertised.

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- 1.—**BRIGHTON.**—High-class Retail and Dispensing; returns £1,230; good double-fronted shop and nice house; price £950.
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- 6.—**LONDON, S.E.**—Good-class Business in splendid position; returns £1,600; net profit £260; nice house and double-fronted shop; every investigation offered; we are instructed to ask £750, which is about the value of stock and fixtures.
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- 8.—**LANCS.**—Returns £500; well established; price £165.
- 9.—**N. YORKS (Seaside).**—Light Retail; returns £250; price £75.
- 10.—We have for Disposal a really high-class Dispensing Business, together with a Mineral-water Business, situated in well-known Inland Spa; the returns are about £1,900, at a net profit of £520; we shall be glad to hear from Pharmacists having capital of about £2,000 available for investment.
- 11.—**CARDIFF.**—Returns £500; net profit £125; valuation £150.
- 12.—**MIDLANDS.**—Returns £1,400; full investigation offered; fine position in nice market town; price £800.
- 13.—**BATH.**—Light Retail and Dispensing Business in splendid corner position; returns £1,000 under manager; net profit £275; valuation £875.

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now booking Stocktakings for Xmas and onwards. Write for our most moderate terms, and leave the rest to us. We guarantee to please you. Our practical experience of 45 years stands behind all our work.

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We desire particularly to draw the attention of Colonial and Foreign Subscribers to the fact that in cases where they require partners, agents or assistants, or wish to sell their businesses, an advertisement in this Supplement, placed in every copy of "The Chemist and Druggist," should be the readiest means of helping them to attain their object. The tariff for such announcement is given under the appropriate headings in the Supplement. Instructions and remittances can be sent to us direct or through the advertisers' correspondents in this country.

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Have the following Businesses for Disposal. (No charge to purchasers.)

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- 2.—**HERTFORDSHIRE.**—Sound Cash Retail and Prescribing Business; returns about £750; net profit £258; modern, well-fitted shop, fully stocked; good house; owner retiring; price £575.
- 3.—**SOUTH COAST (Fashionable Resort).**—Light Family Retail and Dispensing Business; returns £900; scope for increase; well-fitted shop, fully stocked; nice house and garden; price about £600.
- 4.—**SUSSEX.**—Unopposed good-class Retail Business; charming locality; returns about £650; net profit about £250; plenty of scope in energetic hands; price £550; good introduction.
- 5.—**S. DEVON.**—High-class Business, at full prices; returns average £600 under manager; net profit £250; beautifully fitted Pharmacy; same hands many years; price £500.
- 6.—**LONDON, S.E.**—Good-class Suburban Retail and Dispensing Business, no Side Lines; returns over £950; net profit £245; books properly kept; handsome Pharmacy, well stocked; price £750, or £50 and valuation; strongly recommended.
- 7.—**LONDON, S.W.**—Well-established good-class Retail and Dispensing Business; returns over £1,000; net profit £300 clear; good position; fully stocked; price £675; little more than valuation.
- 8.—**MIDLANDS.**—Good-class Country Retail Business, under management; returns £1,400; gross profits £560; scope for increase; handsome shop in best position; stock and fixtures worth £1,000; price £1,200.
- 9.—**ISLE OF WIGHT.**—Good-class Retail and Dispensing Business; returns £950; net profit £300; good position; large house and garden; own property; owner retiring; price £800.
- 10.—**ESSEX COAST.**—Good-class Retail Business, in the best position, and scope for increase; returns £728; net profit £220; weak opposition; low rent; large shop; stock alone worth £500; price £400.
- 11.—**YORKS (East Riding).**—Unopposed Mixed Country Retail with Wines and Spirits; returns £650; scope for doing £20 a week in energetic hands; well-fitted and fully stocked; price £325, less than valuation.
- 12.—**KENT.**—Old-established Light Retail; has done £1,000; returns under manager £650; net profit £220; plenty of scope; good premises; low rent; price £500, or offer.
- 13.—**LONDON, N.**—Light Retail Dispensing and Prescribing Business in main road; returns about £900; handsome corner shop, well-fitted and stocked; price for quick sale £300.
- 14.—**LONDON, N.W.**—Light Family Retail and Dispensing Business; returns £950; net profit about £240 after paying assistant; good house; own property; stock and fixtures worth over £500; price £625.

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We are in immediate want of genuine businesses in all parts, especially South and South-west of England, cash buyers waiting ready to invest up to £3,000. Strictest privacy guaranteed. Terms sent on application. No sale, no charge.

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MESSRS. BERDOE & FISH desire every Chemist to read their pamphlet on the necessity and advantages of Stocktaking, which will be sent on application; we are experts at this work and our charges are strictly moderate. Write for them to-day. **Over 40 Years Practical Experience.**

BUSINESSES FOR DISPOSAL.

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COLONIAL BUSINESSES.

We call the special attention of our Colonial subscribers to the opportunity this Supplement affords when they wish to dispose of their Businesses, of getting into touch with likely buyers either at home or in the Colonies.

LETTERS in reply to Advertisements may be addressed to this Office, and will be forwarded to the Advertiser for an additional charge of 6d.

Trade circulars, samples, and printed matter can in no case be forwarded.

ACCINGTON.—For immediate Disposal, genuine old-established Business in residential locality; good living accommodation; splendid opportunity for right man; valuation about £200; no goodwill. Sidebottom, Abbey Street, Accington.

BLACKBURN.—Good Business for immediate Disposal; full particulars given to bona-fide inquirers. 27/8, Office of this Paper.

BLACKBURN.—Small Light Retail Cash Business for early Disposal; main thoroughfare, close to centre of town; low rental; scope for development to a pushing man, registered or otherwise; present proprietor 20 years; reason of disposal, health and family changes; price reasonable; Post Office attached. Apply, 21/39, Office of this Paper.

BLACKPOOL.—An excellent profitable Business, from £3 to £4 weekly clear under manager; few Patents; no opposition; excellent stand, acknowledged to be one of the best stands in the town; terms, valuation. Also, near London, in a manufacturing district, nice shop with house; suit unqualified; low valuation, about £80; £50 new stock. 25/24, Office of this Paper.

CARDIFF.—Pharmacy, unopposed; commanding position; well fitted; up-to-date stock; mostly working-class Prescribing; half profits; nice house; cheap rent; comfortable living assured; very moderate capital required; splendid opportunity for active man; owing to unforeseen circumstances will sell much less than valuation to effect early transfer; investigation invited. Apply "Urgent" (29/27), Office of this Paper.

EASTERN COUNTIES.—For immediate Disposal, Prescribing, Retail, and Agricultural Business; well situated in country district; very large profits; small expenses; large house; excellent warehouses; owner has purchased larger business in London; this is a splendid opportunity for gentlemen with small capital to purchase a snug business. Apply, "A. R." (26/17), Office of this Paper.

LIVERPOOL.—Splendid Chemist's and Druggist's Business for Sale; takings £500 per annum; capable of being considerably increased. Apply to Chas. Tunnington, 22 Lord Street, Liverpool.

LIVERPOOL.—Genuine Light Drug Business (no Side-lines), in good district; returns £9 per week; well fitted and stocked; convenient modern house, private entrance; price £250, or valuation. Apply, Hirst, Brooke & Hirst, Ltd., Leeds.

LIVERPOOL.—In healthy, thickly populated, snuper working-class district; Cash Business in commanding position; capable of big expansion; shop lofty, well fitted in modern style, well lighted; working expenses low; commodious dwelling-house; returns over £600, half profit; price £350. West, 178 Walton Breck Road, Liverpool.

LIVERPOOL (main thoroughfare).—Old-established Family and Dispensing Business; well-stocked shop; owner retiring; ill-health reason for sale; in proprietor's hands 40 years; rent £32 per annum; to immediate purchaser great bargain for cash. For full particulars and every investigation apply H. J. Palmer, 259 West Derby Road, Liverpool.

LONDON, S.E.—£60; price includes Stock, Fixtures, and Fittings of a small Cash Drug Stores doing £7 per week; capable of great extension; expenses low; easily worked; established 2 years; plenty cheap Prescribing; few Patents; good scope for Optics and Dentistry. "Opportunity" (24/27), Office of this Paper.

LONDON, N.E.—An old-established Business; shop handsomely fitted in mahogany and well stocked; convenient business premises and good house; speaking-tubes, electric light, etc.; low rent; has never changed hands; proprietor now wishes to retire, and will accept a fair valuation; cash required about £500. Apply, "Antim." (26/3), Office of this Paper.

LONDON, S.E.—Old-established Family Business; unopposed; returns between £7 and £8; over half profit; has done more; much neglected; thoroughly well stocked; owner's death reason of sale; Business could be largely increased under energetic man; low price. 26/12, Office of this Paper.

LONDON, N.—Middle-class Prescribing, Dispensing, and General Retail Business; doing £650 a year; good house, with private entrance attached; cause of sale, retiring from trade; price £250 for quick sale. Apply, "Essex" (30/62), Office of this Paper.

LONDON, West End.—Neglected Business, situate in busy main thoroughfare; excellent opening to an up-to-date Chemist; several good Proprietaries are included. Apply, "Retiring" (249/69), Office of this Paper.

LONDON, S.E.—Old-established Business for Sale; returns average last 3 years £600; good profits; Photography and Prescribing; lease; nice house attached; well fitted and stocked; value over £350; accept £250, or nearest offer; part could remain if required. 26/5, Office of this Paper.

LONDON Suburb.—Two Businesses for Sale, one taking nearly £2,000, and the other nearly £700; thoroughly sound investment; price £1,200; full particulars given to genuine purchaser. Apply, "Retired" (30/26), Office of this Paper.

LONDON, S.E.—Owner, having two businesses, wishes to sell one, a middle-class Prescribing and General Retail, now under a manager; large shop, well fitted in mahogany; low rent; doing over £400 a year; over half profit; for quick sale only £220; a good opening for a Tooth Extractor. 30/25, Office of this Paper.

LONDON, W. (few miles out).—Genuine Light suburban Retail Business, main road; increasing district; returns over £800; modern, double-fronted shop, well fitted; good stock; price £375, or valuation terms; open to fullest investigation. Address 30/202, Office of this Paper.

LONDON, S.W. (Good-class Residential Suburb).—Light Retail and Dispensing Business; practically unopposed; good prices obtained; no Sunday duty; returns last year £811; books open to fullest investigation; modern fitted shop, well stocked; price £500; genuine reason for selling. Address "Otto" (30/220), Office of this Paper.

MIDLANDS.—Returns £700; net profit under manager £200; rent £30, including house; long lease; shop well fitted in modern style; price £550. Apply, "Protargol" (24/18), Office of this Paper.

S.E.—Suburban Light Cash Retail, Prescribing, and Photographic Business, in populous residential neighbourhood; no immediate opposition; energetic, steady man with little capital should do well; good window, fair stock; splendid mahogany fixtures, etc.; house let off, side entrance; £160, or offer; no agents; satisfactory reason for disposal. 27/9, Office of this Paper.

SOUTH COAST.—Good-class Light Retail and Dispensing Business for private Disposal, in high-class health resort; returns exceed £2,000, and showing steady increase; will bear close investigation; price £1,200 cash; references required. Apply, "Apoll" (30/22), Office of this Paper.

SOUTH WALES.—Double-fronted Shop, in main road, well fitted and stocked; returns average £12 a week, and steadily increasing; populous district in industrial town; nice house; rent £34, lease; price £375, or near offer; no agents. "Genuine" (25/33), Office of this Paper.

STREATHAM, S.W.—Handsomely fitted, old-established Business; neglected and closed through mismanagement; Dental, Optical, and Dispensing; fine shop and house; every modern convenience, electric light, 8 rooms, kitchen and bathroom, back and side entrance; stands in position to do a large trade. "B. C." (23/37), Office of this Paper.

BUSINESSES FOR DISPOSAL

(continued.)

YORK CITY.—Light Retail Business; returns £900; price asked £375; also two others in York, one returning £650, with a net profit of £200; price asked £175, which is giving it away; and the other returning £685 at good profits; price £350; any business sold separately. Fuller particulars from 250/602, Office of this Paper.

YORKSHIRE.—Disposal, Stock and Fixtures, with a profitable Business given in for immediate purchaser; situated in one of the most populated districts of the West Riding; splendid opportunity for an energetic man; only bona-fide inquirers need apply. Further details apply 27/29, Office of this Paper.

YORKSHIRE.—In pleasant town, good middle-class Business; estimated net profit £200 (under manager); price £400, -or valuation. Apply, Hirst, Brooke & Hirst, Ltd., Leeds.

A N old-established Business in main street 10 minutes from City; has been very much neglected on account of ill-health; owner retiring for same reason; rent moderate; 7-roomed house, back entrance; Prescribing and Dentistry quickly acquired by an energetic gentleman; bargain to quick buyer; no reasonable offer refused. Apply, "Mollis" (26/4), Office of this Paper.

CHEMIST'S Business for Sale in South of Scotland; good Agricultural district; no opposition; established 40 years; good-class Retail, Dispensing, and Prescribing; returns average for last 3 years about £525; net profit £180; good house and large garden; vendor's own property; desirous of selling property and goodwill, but would consider offer for goodwill and lease property for a fixed period at a reasonable rent; stock and fittings at valuation. 26/8, Office of this Paper.

FOR immediate Disposal, old-established Homœopathic Pharmacy in central position in a large Midland town; 2 Doctors; suit a young, energetic man; no reasonable offer for cash refused. Apply, "F. C." (25/31), Office of this Paper.

SPLENDID opening for qualified Chemist and Druggist; fine Shop and House in main street in large mining town in Durham for immediate Sale. Full particulars, W. Armstrong, c/o W. Hair, Heaton Terrace, Wingate, S.O.

£295.—In busy Lancashire Town.—Genuine Cash Prescribing Retail; in main street, near railway station; established 15 years; returns £600 under unregistered; double-fronted shop; electric light; full Wine Licence; low rent; long lease; opening for Dentistry and Optics; exceptional living accommodation; bargain to quick buyer. "Chemicals" (25/25), Office of this Paper.

£120 or close offer for good, sound, profitable, old-established Drug Stores, in working-class district, London, E.; no close opposition; comfortably stocked; returns £460; cash trade; few Patents; cheap Prescribing and penny trade; thoroughly genuine; open to every investigation; 6-roomed house; net rental £27. Apply, 29/36, Office of this Paper.

AGENCIES.

INDIA.—Advertiser, 20 years' experience in the East, is open to act as Managing Representative in India for first-class firm Manufacturing Chemicals, Pharmaceutical Preparations, or Drug-trade specialities, other than Disinfectants; terms would include power of attorney to act for the firm, monthly allowance plus commission, and contribution towards office, etc., expenses. Address, 191/33, Office of this Paper.

INDIA Representative. — Travelling Representative, returning shortly to India, requires other houses to join with him; terms, share of expenses and commission; Speciality houses preferred; an excellent opportunity for firms requiring introduction to this market; good references. 30/3, Office of this Paper.

WELL-ESTABLISHED Firm of Manufacturers' Agents, Manchester offices and showroom, require Speciality or good Side-line suitable for Wholesale and Retail Chemists; would be worked in connection with leading Perfumery House. 24/36, Office of this Paper.

TO LET.

CHEMISTS.—Corner Shop, 6 rooms, Sandringham Road, Dalton; redecorated; splendid opening; rent £50. Bunch & Duke, 360 Mare Street, Hackney.

TENDERS.

NORTH ORMESBY HOSPITAL, MIDDLESBROUGH.

TENDERS are invited for the supply of Drugs and Dressings. Tender forms may be obtained from the undersigned on or before December 5, 1911.

The lowest or any tender will not necessarily be accepted, and the Committee reserve to themselves the power of accepting any part of a tender.

E. C. SMITH, F.C.I.S., Secretary.

November 24, 1911.

FOR SALE.

EXCEPTIONAL opportunity for enterprising Chemist with small capital to acquire the sole rights and stock of a unique Wholesale concern with unlimited scope; through lack of capital not exploited, but ready for immediate start. 26/38, Office of this Paper.

FOR Sale, about 2 gross assorted Badger Tooth-brushes, 7 Bottles Mariani Wine, a quantity of Leath and Ross Pilules and Tinctures, and several dozen Bushman Eucalyptus Oil (3 sizes). "H. L." 76 Upper Richmond Road, S.W.

FOR prompt Disposal, entire good-class Fittings, Bottles, etc., in excellent condition, together with small remaining stock; sole reason for disposing, premises have been sold for other purposes; to Chemists commencing or others this is a good opportunity, and inspection in invited; no brokers or cards; genuine. Stead, Chemist, St. Annes-on-Sea.

PARTNERSHIPS.

A SMALL Limited Company of Wholesale Packers, Drug and Sundrymen are prepared to sell larger part of their Shares at par to quick purchaser; the business is increasing, covering the four South-Western Counties; capital required £1,750, but part could be paid in instalments; excellent reasons for disposing. Reply "Company" (26/14), Office of this Paper.

PARTNERSHIP or Active Directorship required in an established and sound Chemical Manufacturing or allied business, in or near London preferred, by young Public School man, with technical Engineering and Chemical experience, who would be willing to fill a junior position for a time; capital available £2,000 to £3,000. Particulars to Messrs. Arnold and Co., 76 Cannon Street, London, E.C.

BUSINESSES WANTED.

IN about 3 months' time, small Business, giving about £200 net, with scope for increase, in healthy district, near London preferred; or would accept post in good business with view to purchasing interest, or succession. Full particulars to Belbin, Ferndale, Grosvenor Road, West Wickham, Kent.

WANTED, a small Business, capable of increase; one that has been neglected not objected to, but must be in the market of the district and will bear scrutiny; part of the purchase money to remain by mutual agreement. 27/13, Office of this Paper.

WANTED to purchase for cash, Country Business, Mixed not objected to; garden preferred; Wholesale references given. Replies, in strictest confidence, "J. D. S." (27/3), Office of this Paper.

£10 given to anyone who can put me into communication with the vendor of a Business situated preferably Cornwall, Devon, Somerset, or near; returns about £2,500; Store competition immaterial if the business is in a commanding position; I will be willing to give £500 goodwill for the right Business; stock and fixtures at a valuation. Write, in confidence, "Business" (250/62), Office of this Paper.

SITUATIONS OPEN

3s. 6d. for 50 words or less; 6d. for every 10 words or less beyond, prepaid.

NOTE.—Replies can be addressed to this Office and forwarded to the Advertiser for an Additional charge of 6d.

RESULTS

OF ADVERTISING IN THIS SUPPLEMENT
LAST WEEK Nov 25 1911.

NATURE OF ADVT	REPLIES
UNQUAL. ASSISTANT	42
" (COUNTRY)	32
MAN (TAKE CHARGE DEPT)	25
REPRESENTATIVE	23
ASSISTANT	21
MISCELLANEOUS	20



This Blackboard demonstrates that Advertisers using these columns get a ready response to their announcements. The figures only refer to some of the letters RECEIVED AT OUR OFFICE on behalf of Advertisers who use a number or name of plume.

TO SAVE TROUBLE.

MANY correspondents answering advertisements in this Supplement enclose remittances to cover the cost of forwarding their letters to advertisers who prefer to be addressed c/o this Office. The Publisher desires to make it clear that this is quite superfluous and perhaps this reminder will obviate the necessity of the frequent return by him of such remittances.

ANSWER IN TERMS OF THE ADVERTISEMENT AND

REMEMBER you are one of possibly hundreds applying for the same position. Put your case before the advertiser so that he may be able to form a MENTAL PICTURE of your suitabilities.

BE BRIEF BUT CLEAR—millions of applications are consigned to the waste-paper basket UNCONSIDERED, because the reader cannot form this picture from the inadequacy of the materials set before him.

RETAIL.

BIRMINGHAM.—Qualified Assistant; must be good Counterman and Dispenser. Apply, stating age, height, experience, salary required (outdoors), and if convenient enclose photograph, to Hedges & Son, Dale End, Birmingham.

CHELLENHAM.—Junior Assistant or Improver wanted (indoors, one only kept), for Light Retail, Dispensing, and Photographic business; no Extracting required. In reply please state age, height, experience, reference, and salary required, with photo (if convenient), to Arthur Hill, Chemist and Druggist, 98 High Street, Cheltenham.

HAMPTON COURT.—Junior or Improver, with knowledge of Photography, required in good-class Retail and Dispensing business (indoors), for January 1. Apply, with particulars and photo, to J. S. Wellburn, Bridge Road, East Molesey.

KENSINGTON.—Wanted, directly after Christmas, Junior Assistant; indoors; Retail and Dispensing. State age, height, experience, references, and salary required, or call, Davis, 4 Stratford Road, Kensington, between High Street and Earl's Court Stations.

LONDON, S.W.—Junior qualified Assistant (indoors), 23, for December 23. Pope Roach & Son, 8 St. James's Street, S.W.

LONDON, S.W.—A smart, reliable Assistant wanted at once; indoors; unqualified; must be a good Window-dresser, Counter-man, and Prescriber, capable of Management; preference given to one that can extract. Apply, between 7 and 8 p.m., 153 Dawes Road, Fulham.

LONDON, W.—Savory & Moore, Lancaster Gate, require a qualified Assistant (outdoors), with first-class Dispensing and Counter experience; age under 30. Please supply full particulars and photo, with date at liberty, to the Manager.

LONDON, S.W.—Qualified Assistant (indoors), age about 24, for a good Dispensing and Retail business. Apply, with particulars, salary, etc., with photo, to Foster Blades, 10 Gloucester Road, South Kensington, S.W.

LONDON, W.—Assistant; good Dispenser, with West-End experience. Rouse & Co., 12 Wigmore Street, W.

LONDON, S.W.—Wanted immediately, a Junior, of good appearance, medium height, for high-class Dispensing business; indoors; about 23. State age, salary required, with photo, Thos. Evans, Pharmacist, East Putney.

LONDON, S.W.—Required, Dispenser, holding the Minor qualification; age about 25 years; salary to commence 45s. per week, to increase to 50s. after 6 months' satisfactory work; hours approximately 8.45 to 6 p.m., Saturdays till 2; outdoors; no Sunday duty. Write, stating full particulars, 1080, Sell's Advertising Offices, Fleet Street, London.

LONDON, W.—Qualified Assistant required for high-class West-End business; 2 others kept. Reply, stating age, height, and full particulars, etc., "J. B." (30/1), Office of this Paper.

LONDON, W.—Qualified Assistant, with good experience. Apply (by letter only in first instance) to Wallas & Co., 36 New Cavendish Street, W.

LONDON, S.W.—Wanted (immediately), qualified Assistant, about 26, with good all-round experience. Apply, giving full particulars, salary required (outdoors), to A. T. Gray, 5 High Street, Barnes.

LONDON, W.C.—A young qualified Assistant required immediately; good London experience; smart Salesman. Apply, personally, Boutalls, Ltd., 150 Southampton Row, W.C.

MALVERN.—An Assistant, accustomed to a good-class business (indoors); one having a knowledge of Photography preferred. Apply, stating salary required, experience, age, height, and enclose photo, to W. H. Jones, Pharmaceutical Chemist, Malvern.

MALVERN.—Wanted, about the middle of December, a young qualified Assistant, of good address, accustomed to good-class Dispensing business; indoors. Please state full particulars in first instance and enclose photo if convenient, A. E. Baylis, Gt. Malvern.

ST. LEONARDS-ON-SEA.—Junior Assistant wanted (indoors) for Light Retail and Dispensing. State age, height, references, and salary required, enclosing photo, to T. W. Jones, 55 Bohemia Road, St. Leonards-on-Sea.

SCOTLAND.—Smart, reliable, and experienced unqualified Assistant wanted for select Dispensing business in country; hours 2 till 8.30; suit Minor student. Apply, with references, stating salary required (in- or out-doors), 27/31, Office of this Paper.

TORQUAY.—Assistant (indoors) for third week in December; age 24-27, for good-class Dispensing and Retail business; 3 kept; qualified preferred, but not essential. Please state height, experience, references, and salary required, to H. F. Bourne, 11 Strand, Torquay.

WEST END.—Qualified Assistant; indoors. Photo and full particulars to "December," c/o Horner and Sons, George Street, Tower Hill.

SITUATIONS OPEN (continued).

WEST RIDING, Yorkshire.—Wanted, good, competent Assistant; unqualified; outdoors; half-holiday weekly; no Sunday duty; Mixed business; must be able to produce good references. Apply, stating age, salary, and when at liberty; Day, Chemist, Thornhill, Dewsbury.

YORKSHIRE.—Unqualified Assistant required, to take charge of Branch; permanency, with 30s. per week, house, and interest in the profits to a suitable man. 251/64, Office of this Paper.

ASSISTANT for working-class trade, Extractor preferred; also Junior or Improver for small Branch; part-time man might find position suitable. 27/7, Office of this Paper.

ASSISTANT; outdoors; married or single; Dispensing, Counter, Photography. State age, experience, salary required, when disengaged, photo if convenient, Edwards, Chemist, Hastings.

BALKWILL & CO. require the services of a qualified Junior; outdoors; one used to first-class Dispensing and Retail. Apply, giving full particulars as to experience, height, age, etc., and enclosing photo, to F. W. Hunt, 165 Old Town Street, Plymouth.

BLAKE, SANDFORD & BLAKE require a qualified Junior (outdoors). Particulars, at first in writing, addressed to Mr. Blake, 49 Dover Street, London, W.

FULLY-QUALIFIED Dispensing Chemist wanted immediately, to take charge of business in Scotch Border town. Apply, stating age, qualifications, experience, references, and salary expected, also when prepared to take up duties, to J. & D. G. Stalker, Solicitors, Galashiels.

GENTLEMAN as Manager and Buyer, qualified, required in high-class Store, with good experience, to take charge of Drug and Dispensing Department, capable of extending same. Apply, by letter, Cater, Stoffell & Fortt, Ltd., Bath.

JUNIOR (unqualified) wanted; must have had experience in Photography and Window-dressing; wages 30s. per week. Apply, with full particulars, to 22/19, Office of this Paper.

JUNIOR Assistant required, about December 20, in West-End Pharmacy; unqualified; young; indoors. Apply, stating experience, salary required, to 30/26, Office of this Paper.

MANAGER, qualified, for quick Cash business; lucrative permanency to suitable man. 251/4, Office of this Paper.

MANAGER for Branch, to live over shop, rooms furnished if desired; must be a good Dispenser and Counterman, with knowledge of Photography; good references indispensable. Reply by letter, stating age, height, references, salary required, and all particulars, to J. K. Tonkin, Gollyhurst, Leamington Spa.

MANAGER, young, qualified, of good appearance, for Branch; essentials: Extractor of ability, good Counterman, Window-dresser, trustworthy, sober, energetic, well recommended; permanency with interest in profits to right man. State age, height, salary expected, experience, and references, in first letter, with photo (returnable), to Marfitt, Chemist, Infirmary Square, Leicester.

MANAGING Assistant; qualified; permanent; prospect of ultimate succession; capable and willing to take sole charge of good-class business in small town; must be of gentlemanly appearance and good address; indoors; comfortable home; duties light; weekly half-holiday; no Sunday work. Apply, stating age, height, experience, salary, references, and enclose photo to "Alpha" (25/37), Office of this Paper.

QUALIFIED; abstainer; indoors; comfortable home. Apply, with photo, experience, and salary required, Henry Francis, 22 High Street, Bromley, Kent.

REQUIRED at once, Junior or Improver for good-class Retail and Dispensing business; indoors; good classes for students locally; some knowledge of Dispensing essential. To avoid delay state full particulars as to age, height, experience, and salary required, enclosing photo if possible, to Savage & Co., Pharmaceutical Chemists, Brighton.

UNQUALIFIED Junior Assistant required immediately for Mixed Country business; outdoors; easy hours; half-holiday weekly; no Sunday duty. Apply, with usual particulars, to S. C. Thompson, Eresby, Cambridge Road, Ely.

WANTED, end of December, for a permanency, an Assistant, about 25, competent in Dispensing and Retail, for good-class business. State last two engagements, qualification, age, height, and salary required (indoors), to John Baily & Co., 2 Ethelbert Terrace, Margate.

WANTED, a first-class Senior Assistant by January 1, 1912, for 3 to 6 months; must be a quick and accurate Dispenser; 3 others kept; good references indispensable. F. Wimshurst, Pharmaceutical Chemist, Bexhill-on-Sea.

WANTED, at once, competent Assistant for a good-class suburban Retail Dispensing and Photographic business; hours 8.30 to 9.30, Saturdays 10.30; alternate Sunday evenings 6-9; half-day off week's. Kindly send full particulars, including age, height, experience, salary required (outdoors), to Sayers' Cash Pharmacy, Lewisham, S.E.

WHOLESALE.

HOUNSLOW.—Wanted, in Chemical Works, smart Junior Laboratory Assistant; preference given to one having some knowledge of Colour Testing; highest references and full particulars of experience required; commencing salary £1 per week. 24/34, Office of this Paper.

A WHOLESALE House requires a Junior Clerk, with experience in Buying Department. Applications, with full particulars of salary required, etc., to be addressed to 250/23, Office of this Paper.

INVOICE Clerk wanted; must be good Penman, quick, accurate at figures, and experienced. Reply, stating full details of experience and credentials, to C. R. Harker, Stag & Morgan, Ltd., Devon Wharf, Emmott Street, Mile End, E.

JANUARY 1, 1912.—A good opening occurs in small Wholesale house for a smart Junior, preferably with slight experience of Druggists' Sundries. Address, "A." (29/39), Office of this Paper.

MANUFACTURERS of Pharmaceutical Chemicals, whose brand is well known and business capable of considerable increase, wish to engage gentleman to Represent them in London and provinces; applicant must be of good address and have thorough connections with buyers of Wholesale Druggists and Manufacturing Chemists, based on travelling experience in this particular line; good chance for energetic and reliable salesman. State age and full particulars, by letter, to 247/10, Office of this Paper.

NORTHERN Firm wishes to hear of Commission Agent calling personally upon Chemists in London and the South to introduce and push the sale of a high-class and attractive Speciality which sells both packed and in bulk; fixed prices which yield a good profit to the Retailer; liberal commission; a large field. Apply, in the first instance, to "Semaire" (250/29), Office of this Paper.

QUALIFIED Lady Pharmacist wanted at once, capable of exercising control and taking responsibility for small Packing Department. Apply to 249/35, Office of this Paper.

TRAVELLER wanted for Glasgow and the West of Scotland by a well-known firm of Wholesale Druggists and Manufacturing Chemists; must have a good all-round knowledge of the trade and have worked this ground. State, in confidence, full particulars of experience, principal towns worked, age, salary required, and photo if possible, 248/74, Office of this Paper.

TRAVELLERS wanted, with connections among Chemists, to carry a Side-line, a patent Novelty, that can be carried in the vest pocket; good commission. Write to H. Harris, 39 Kimberley Road, Southsea, Hants.

WANTED, Junior Assistant (Wholesale), age 18/22, with Wet and Dry experience; progressive position. Write, stating age, experience, and wages required, to "X." (251/19), Office of this Paper.

SITUATIONS OPEN

(Colonial, Indian, and Foreign).

3s. 6d. for 50 words or less; 6d. for every 10 words or less beyond, prepaid. Replies addressed to this office will be forwarded to the advertiser for an additional charge of 6d.

JOHANNESBURG.—Qualified Assistant, who can speak some German or Yiddish, wanted to take charge of business; permanent position and good salary to reliable, energetic, obliging business man, Jew or Gentile. A. Porter, Chemist, Albertbridge Road, Belfast.

RANGOON.—Assistant required, age about 25 to 30; Minor qualifications; 4 years' agreement; salary first year 250 rupees per month, rising by 25 rupees per month annually to 325 rupees; passage paid. Apply, stating full particulars as to experience, etc., to Indo Burma Co., Ltd., 108 Wool Exchange, E.C.

STRAITS SETTLEMENTS.—Qualified Assistant wanted; age 24-25; Englishman; 4 years' agreement; good terms; healthy climate; the berth is well recommended, and candidates' references must be exceptional. 251/20, Office of this Paper.

SOUTH AFRICA.—Qualified Assistant, unmarried, required for a Coast town, about 25 years of age preferred; 3 years' agreement; passage paid out; salary £204 first year, £216 second year, £228 third year (outdoors). Apply, by letter only, "L," 14 Lafone Street, London, S.E.

TRANSVAAL.—Good Assistant wanted; Dutch language an immediate advantage. Apply, with all particulars, to "W. L. H.," The British Drug Houses, Ltd., 22/30 Graham Street, N.

QUALIFIED Assistant, about 24, required for large Chemist's in Shanghai; 4 years' agreement and passage paid out and home; good prospects for capable man. Apply, with full particulars, to 243/17, Office of this Paper.

WANTED, for Geneva, Switzerland, an English Pharmacist, with good references. Send photograph and particulars of height, etc., to O, 6385X, Haasenstien & Vogler, Geneva.

SITUATIONS WANTED

1s. for 12 words or less; 6d. for every 10 words or less beyond, prepaid.

NOTE.—Replies can be addressed to this Office and forwarded to the Advertiser for an Additional charge of 6d.

[HOME]. RETAIL.

QUALIFIED Dispenser (Lady) desires post. Miss G., 16 Vale Court, Maida Vale.

CHEMIST'S Shop Porter seeks situation; state wages. C/o Burton, Gaping Lane, Hitchin.

UNQUALIFIED; 27; tall; good experience. "L.," 155 Shrewsbury Road, Forest Gate, London

QUALIFIED; 25; disengaged; West-End Dispensing experience. "G.," 187 Ramsay Road, Forest Gate.

JUNIOR; 19; 5 years' experience. Retail, Dispensing, Photography. Isaac, 35 Bath Street, Leamington.

MANAGER. Loem, Traveller; disengaged December 11; qualified. "Experienced," 4 Bath Street, Frome.

WITH evenings free; 26; abstainer; City experience. "R. W. J.," 132 Riverdale Road, Plumstead.

MANAGER; qualified; 27½; abstainer; January 1. "Experienced," 100 Barrows Road, Sparkhill, Birmingham.

QUALIFIED; any capacity; Loem or permanent; disengaged. "Chemist," 48 Conningham Road, Shepherd's Bush.

LONDON or South Coast; unqualified; 25; Dispensing, etc. "Phlogiston," 49 Lowestoft Road, Gorleston-on-Sea.

DISENGAGED; qualified (26); with West-End experience, seeks permanency. "Aspirin," 281 Canuhill Road, Leytonstone.

PART-TIME Assistant, 2 or 3 days weekly; London only; West-End experience. Apply, "S.," (24/17), Office of this Paper.

CHRISTMAS help for December; part-time; disengaged; good references. "Aspirin," 24 Delancey Street, Regent's Park.

QUALIFIED; Manager, Senior; outdoors; thoroughly experienced; disengaged. 87 Lower Bank Road, Fulwood, Preston.

UNQUALIFIED; 36; disengaged; 10 years' successful London Drug Stores Manager. "Chemist," 15 The Avenue, Ramsgate.

SCOTSMAN (25), qualified, good experience, good references, desires permanency; Senior or Manager. 21/40, Office of this Paper.

23; unqualified; 8 years' experience; good references; Photography; London or suburbs. "Radix," 2 St. Stephen's Road, Lewisham.

UNQUALIFIED Junior; 21½; good all-round experience; abstainer; London only; disengaged. "P.," 15 Studley Road, Clapham, S.W.

CHEMIST'S son requires situation as Improver, Junior; 18; indoors; London or Home Counties. Coombes, Chemist, Great Missenden.

AVAILABLE for Loem throughout December; qualified; 30; abstainer; excellent experience and references. "Pharmacist," 19 Clarendon Road, W.

EXPERIENCED qualified Manager; good Counterman and Prescriber; clever Dental Operator and Mechanic. 30/14, Office of this Paper.

MANAGER or Assistant; unqualified; married; permanency; fully experienced; to live on or off premises. "Argyro!" (24/33), Office of this Paper.

ELDERLY Pharmacist; Branch Manager; good Prescriber and Dispenser; or Dispenser to a Doctor; large and varied experience. "S.," 475 Barking Road, E.

UNQUALIFIED Assistant; Dispenser, Extractor; country, London experience; single; outdoors; Midlands preferred. "Calium" (24/12), Office of this Paper.

JUNIOR or Improver; 21; passed Preliminary; abstainer; 3 years' experience; accurate Dispenser; excellent reference. "Aspirin" (24/15), Office of this Paper.

EXPERIENCED Loem; 40; good Prescriber, energetic Counterman; well recommended; abstainer; unqualified. "Tomas," 5 Beaconsfield Villas, Hillingdon, Middlesex.

CHEMIST (50) seeks appointment as Surgeon's Dispenser, outdoor employment, or Loem; country district preferred. "Chemist," The Nook, Hayes Lane, Timperley, Cheshire.

SITUATIONS WANTED *(continued).*

MANAGER. Senior or Locum; disengaged; 37; tall; Dispensing, Photographic; good references; personal interview. "Quercus," 141 Westminster Bridge Road, S.E.

COMPETENT, unqualified, with City and W.C. experience; 26; abstainer; Photography; highest references; please state hours. Jackson, 132 Riverdale Road, Plumstead.

MANAGER or Senior Assistant; qualified; 15 years' London experience; disengaged December 11; Photography; good references. Brown, 47 Chewton Road, Walthamstow.

MANAGER; qualified; 30; tall; disengaged January; extensive experience includes Photography and Mineral-water Manufacturing; excellent references. 21/34, Office of this Paper.

JUNIOR (20) desires situation in Retail and Dispensing business; 4 years' experience; Photography; indoors; disengaged beginning of January. Pitchforth, 14 Parade, Felixstowe.

SMART, competent Assistant; 23; experienced in high-class Dispensing and Counter; West-End and provinces; good address. "Acus," 3 Oxford Mansions, Oxford Road, Gunnersbury, W.

BRANCH Manager (27), tall, requires permanency; outdoors; country business preferred, not essential; Yorks or North; all-round experience. "Chemist," 5 Havelock Place, Whitby.

QUALIFIED; age 35; West-End experience. Unqualified; country and London experience; disengaged; highest references. Chemists' Assistants' Reform Union, 204 Brixton Hill, London.

ASSISTANT or Branch Manager; Extracting, Prescribing, and Photography; disengaged; highest references; not qualified; age 38 years. "Rhei," 46 Lindum Street, Rusholme, Manchester.

HOME or Abroad; qualified; 30; married; sterling references; Wholesale preferred; fluent French and Italian; good administrator; disengaged January 1. "H. C.," 10 York Road, Hove, Sussex.

UNQUALIFIED Senior or Manager, smart Salesman, Counterman, Dispenser, and Extractor, now disengaged, desires permanency; references are undeniable. Apply "Extractor," 25 Bavant Road, Norbury, S.W.

MANAGER; qualified; 33; married; experienced, Dispensing, Prescribing, Counter, Photography; abstainer; disengaged; excellent references; permanency desired. Harper, 7 Albemarle Road, Seacombe, Cheshire.

MANAGER; qualified; permanency; 11 years' experience of good-class Pharmacy; London and seaside experience; good references; South of England preferred; available December 11. E. R. Samways, 47 North Street, Taunton.

CAPABLE (qualified) Manager, of exceptional experience and good references, requires management of large branch or Drug Department in Stores; disengaged January. "Alkaloid" (26/37), Office of this Paper.

NURSE-HOUSEKEEPER with Doctor or Dentist; or Nursing Home Matron; 30; highly efficient, medical and surgical; masseuse; excellent references; Liverpool district preferred. 27/28, Office of this Paper.

WANTED, by Medical Student, with Minor qualification, Dispensing with Medical man or part-time post with Chemist in Manchester and district; free for Locum post for 3 weeks after December 16; any district. 24/14, Office of this Paper.

PHARMACIST (36), married, fully experienced, first-class Prescriber, Extractor, Photo, Agriculture, requires situation as Manager with view to succession or Partnership; abstainer; excellent references. "Bright" (29/25), Office of this Paper.

QUALIFIED, age 32, been in business for himself 5½ years, seeks engagement as Manager in good-class shop; good all-round experience and highest references; wife's health was cause of sale of own business; situation under elderly proprietor preferred with a view to either partnership or purchase in specified time. "Borax" (30/19), Office of this Paper.

QUALIFIED; single; 29; Store experience. Hunter, 18 Vineyard Street, Garston, Liverpool.

LOCUM; qualified; disengaged; good references. Snoxell, 75 Woodbridge Road, Guildford.

QUALIFIED Dispenser (Lady, 21) desires post; experienced. Apply, 27/15, Office of this Paper.

QUALIFIED; Manager or Assistant; disengaged. "Rhei," 51 Hartwell Street, Linacre Road, Bootle.

BATH.—Qualified Assistant or Manager; wide experience; disengaged. Furber, 5 Abbey View, Bath.

LOCUM; qualified; first-class London Dispensing experience. "Chemist," 6 Bourne Place, Chiswick, W.

EVENINGS only; 27; tall; Prescriber, Extractor, Manager. "B. A. B.," 32 Perrymead Street, Fulham.

QUALIFIED; Dispensing, Counter, Photo; good references. Hodgkinson, Nelson Street, Barrow-in-Furness.

LOCUM; qualified; middle-aged; all-round experience; recent references. "C. L. S.," 104 Mill Road, Cambridge.

DISENGAGED; temporary or permanent; qualified; good experience; good references. 30/21, Office of this Paper.

QUALIFIED; 27; 12 years' experience; permanent or temporary. "Statin," 91 Grantham Road, Sparkbrook, Birmingham.

QUALIFIED; Locum or part-time during Christmas holidays, or permanent berth. "Locum," 2 Fleming Road, Newington.

MANAGER; qualified; thoroughly experienced; energetic; good reference; abstainer; disengaged. 25/35, Office of this Paper.

MANAGER; 31; qualified; Optics; excellent and varied experience; trustworthy; London or country. 29/28, Office of this Paper.

MANAGER; 34; married; well experienced, Dispensing, Photography, little Optics; good references. 29/4, Office of this Paper.

WANTED, Locum work, any capacity, for three months; qualified; single; moderate; references. 25/41, Office of this Paper.

EXPERIENCED Assistant; good Counterman, Salesman; 35. "Chemist," 7 Eversham House, Stanlake Road, Shepherd's Bush.

WEST OF ENGLAND.—Qualified Manager or Senior requires post January 1, 1912; highest references. 25/14, Office of this Paper.

28; unqualified; 12 years' experience; good references; outdoors; Photography; London or suburbs. 30/23, Office of this Paper.

QUALIFIED Chemist wishes to fill up two months' time prior to taking permanency; 35; single; moderate terms. 25/51, Office of this Paper.

MANAGER or Assistant; qualified; competent, energetic, and reliable; abstainer; disengaged; good reference. 25/36, Office of this Paper.

MANAGER; qualified; experienced; reliable; January or earlier; disengaged. Full particulars, hours, salary, "K." (27/23), Office of this Paper.

QUALIFIED; Manager or Assist; mature experience; temporary or permanent; good references; moderate salary. "X.," 168 Regent's Park Road, N.W.

MANAGER or Assistant; qualified; good references; quick Counterman. Dispenser; well up in all branches. 36 Ranelagh Gardens, Ravenscourt Park, W.

QUALIFIED, as Manager to a small good-class Dispensing business; 14 years' first-class experience; East Coast preferred. 27/33, Office of this Paper.

LIVERPOOL.—First-class man (28) desires Relief work (permanency) as Manager or Senior; unqualified. "Statim," Argyle Villas, Wallasey Village, Cheshire.

MANAGER; permanent or temporary; disengaged; qualified; married; ago 47; 31 years' town and country experience. "Minor," 3 Helena Avenue, Margate.

QUALIFIED; 33; tall; married; 18 years' experience, Counter, Dispensing, Photography; permanency; London or Suburbs. Stewart, 36 Birkbeck Avenue, Acton, W.

SMART Assistant; capable Counterman and Dispenser; good all-round experience; London or Suburbs; outdoors; disengaged. "Aspirin," 62 Lancelot Road, Wembley, N.W.

EXPERIENCED, qualified Manager; married; permanent or temporary; first-class experience and references. "Irex," Wright, Layman & Umney, Southwark Street, S.E.

SMART, tall, gentlemanly Assistant seeks situation; good Prescriber and Counterman; abstainer; last berth 7 years. Reply to "Aspirin," 129 Heywood Street, Hightown, Manchester.

QUALIFIED Manager or Senior will require position after Christmas; 35; unmarried; good-class neighbourhood preferred; first-class experience. 25/15, Office of this Paper.

EXPERIENCED Dispenser, Prescriber; Photo trade; Dental Operator; unqualified; 30; used to management; good references; permanency; New Year. 27/11, Office of this Paper.

DRUGGIST (German, 22), thorough knowledge of Perfumery, Technical, and Photography, requires situation with Manufacturer or Retailer; salary no object. 115 Highbury New Park, N.

ASSISTANT; experienced Branch Manager; unqualified; competent and reliable; married, no family; 35s. (outdoors); disengaged; good references. "Spero," 48 Devonshire Road, Cambridge.

ASSISTANT, unqualified, desires permanency; town or country; accustomed high-class business; Wholesale and Retail experience; excellent references. Apply, "Bromide" (30/20), Office of this Paper.

WHOLESALE.

Trade circulars, samples, and printed matter can in no case be forwarded.

SMART Junior (24) desires berth in Wholesale, any capacity; tall; good appearance. G. Almeroth, 72 Heigham Road, East Ham, Essex.

ENGAGEMENT required by active, pushing Traveller; 4 years' connection in the South; good Speciality not objected to. 26/31, Office of this Paper.

YOUNG man, 8 years' all-round Retail experience, desires to Represent a good house in Ireland; moderate salary; best references. 21/35, Office of this Paper.

TRAVELLER; experienced qualified Chemist, 50, requires engagement; any line; Midlands or Eastern Counties preferred; excellent references. 25/30, Office of this Paper.

TRAVELLER is open to Represent one other house, Medical or Chemists' Specialities; enterprising house essential; well introduced; part expenses with commission. "Antipyrin" (27/12), Office of this Paper.

ANALYST, B.Sc. (Lond.), F.I.C., long experience in Food and Drugs Analysis, desires to improve present position; fair knowledge of Bacteriology, also of French and German. 21/35, Office of this Paper.

ADVERTISER, with 25 years' good practical experience of the trade, desires to negotiate for a post as Business Manager, or Traveller for good house, to take effect at the New Year. 27/16, Office of this Paper.

TRAVELLER, with sound connection, representing a first-class London Drug house in South Wales and adjoining Counties, wishes to Represent another good firm on part expenses and commission. "A." (25/27), Office of this Paper.

A YOUNG lady, daughter of Commercial Traveller, and having a connection with Chemists, desires to represent a firm dealing in Puffs, Combs, etc., etc., on her father's ground, Midlands and South-Western Coast. Letters "Puff," c/o Gould's, 54 New Oxford Street, W.C.

WANTED.—A qualified Medical Man (M.B., C.M.) wishes to obtain 12 to 24 months' work as Travelling Representative of a reputable firm; will travel anywhere required on salary and travelling expenses, or as may be arranged; has been over 20 years in general practice; highest references and best guarantees. "M. B." (273/40), Office of this Paper.

YOUNG Correspondent, perfect knowledge of French and Italian, Accountancy, experienced in the methods of introducing specialities on the Italian market, and possessing some knowledge of the English language, desires to enter firm of Manufacturing Chemists, exporting (or desirous of exporting) to Italy; moderate salary; trial. Address, "I. T. I.," c/o Messrs. Deacon's, Leadenhall Street, London, E.C.

MISCELLANEOUS.

MADAM & TUCKNISS, Sharedealers, Bank Chambers, Blackheath, S.E. Telephone 81 Lee Green.

SHARES FOR SALE (free of commission, subject).—400 Baiss Bros. and Stevenson 5½ per cent. Preference, 11s. 9d.; 80 Bovril Deferred, 7s. 7½d.; 50 Brunner Mond, 102s. 6d.; £50 Camwad Debenture, £36 7s. 6d.; 200 Ilford Ordinary, 16s. 3d. od.; 150 G. B. Kent, Preference 16s. 6d.; 200 Parke's Drug Ordinary, 2s. 7½d.; 50 Preference, 10s. 3d.; 200 A. J. White Preference, 10s. 7½d.; 200 Ordinary, 2s. 1½d.; 100 John Knight Ordinary, 25s.; 75 Wright Layman Preference, 20s. 9d.

WANTED (subject).—20 Brunner Mond, £5; 300 Idris "A" Preference, 4s. 10½d.; 100 G. B. Kent Preference, 15s. 6d.

List of shares for sale and wanted sent free on application. Bankers, London County and Westminster. Established 1898.

CHEMISTS' Mahogany Fittings.—Drugfitting, with 48 drawers, glass labels and knobs, 10 ft. long; handsome Dispensing Screen and Counter with projecting Sponge Case, 6 ft. long; plate-glass front Counter, 10 ft. long; bent plate Counter Case, 5 ft.; Perfume Case and Desk; 2 Nests Counter Drawers; second-hand, nearly new, £35 the lot; great bargain. George Cook, the Working Shopfitter, 8a Cross Street, Islington.

SECOND-HAND CHEMISTS' FITTINGS.—We have an exceptionally fine selection of these in all sizes; prices are right and goods are in first-class condition; we shall be pleased to supply particulars and prices. Call or write, RUDDUCK & CO., 262 Old Street, E.C.

McQUEEN'S System of Accounts for Chemists; works out gross and net profits, balance sheet, and income-tax return with guaranteed certainty; a work well known and considered indispensable by progressive Chemists (Ninth Edition). Full particulars and testimonials, post free, McQueen & Co., Moat Road, E. Leicester.

CHEMISTS' second-hand large Stock of Drug-fittings, Wall-cases, Dispensing-screens, Glass-fronted Counters, Window-enclosures, Mirrors, Window Shelves, Swan-neck Carbays; also complete Fittings for large Drug Stores; cheap to clear; estimates free. H. Mills, Chemists' Up-to-date Shopfitter, Shop-front Builder, Steam Works, 163-5 Old Street, London, E.C. Phone 550 London Wall.

SHOPFITTINGS (equal to new).—13-ft. Drugfitting, with Mahogany and Glass-labelled Drawers, etc.; 12-ft. Mahogany and Plate-glass Serving-counter, with Counter Drawers at back; Mahogany and Plate-glass Perfumery Showcase and Desk; 6-ft. Mahogany and Bent Plate-glass Counter Showcase; 10-ft. handsome Mahogany Wall Showcase; 6-ft. Mahogany and Plate-glass Dispensing-screen and Counter, with Sponge-case; all in excellent condition; price £60; ready for immediate use. **PHILIP JOSEPH & SONS, LTD.**, 93 Old Street, London, E.C.

HAVE A RECORD XMAS.

Special ideas and window shows for Xmas and also for January are now ready. These window shows will attract more than the usual attention and are refined in every way. There is no need to worry what to do this Xmas, just send a postcard for copy of my Booklet, "How to Increase Your Business," which explains my system; show me what it is, what it has done for others, and what it would do for you. Pharmacists only supplied.

BILLYARD ALLISON, Pharmacist & Business Specialist, RETFORD.

"I AM NOT CRUMBLING,"

writes a small Lancashire village client, "seeing that I have only known you 7 months, and my returns are already increased £3 per week on the average." This result, I notice, has been achieved at a cost of £5 15s., and my modest fee. If you would like to do the same write to me for my free booklet called "HOW I INCREASE CHEMISTS' BUSINESSES."

BERNARD SLACK, 9 King St., Wolverhampton. Nat.Tel.581.

Woollen Grease Distillates

required in large quantities.

Offers to W. 500, care - - -

HAASENSTEIN & VOGLER, A.G.,
BIELEFELD, GERMANY.

Exchange Column—Bargains.

TERMS.

One halfpenny per word with name and address. One penny per word if we register the address and attach a number.
No Advertisement inserted for less than 6d.

FOR DISPOSAL.

BOOKS AND PERIODICALS.

"CHEMIST AND DRUGGIST," 1901 to end of 1910, in numbers, as issued; also "Diaries" for 1902, 1905, and thence to 1911; also "Gardening World," January 1903 to 1909; what offers? **R. JACKSON, Glen Villa, Torquay Road, Newton Abbot, S. Devon.**

DENTAL.

DENTAL chair, second-hand, adjustable, upholstered in crimson mohair velvet. Cross & Cross, Kingston Cross, Portsmouth.
THREE-FLASK vulcaniser, with gauge, 6 complete upper show pieces, new, vulcanite. **J. L. SMITH, Chemist, Salford.**

DRUGS AND CHEMICALS.

WHAT offers? 4 oz. ol. neroli; genuine. 26/16, Office of this Paper.

MISCELLANEOUS.

MOVING models and plaster models; bargains. **REED, Chemist, Ilfracombe.**
REMINGTON typewriter; bargain; price £2 10s. **EVANS, Chemist, Margate.**
1 LB. Parma violets, 5s.; ½ lb. lily valley, white rose, 2s. 9d. each; triple extracts. 29/24, Office of this Paper.
ELEVEN gross 6d., 3 gross 3d., floor-polish tins, printed label; sample sent; 4s. per gross, or best offer. **MANSON, Peters Hill, Belfast.**
MAW'S 3-gr. pill machine, 24, perfect condition; dispensing scale; optical trial case of 72 lens, with frame; what offers? **DUCK, Chemist, Whitehreh, Glam.**
2 OZ. cocaine. hydrochlor., 8s. 6d. oz.; ½ oz. atropin. sulph., B.P., 11s. 6d. oz.; 1/12 Blair's gout pills, 1/12 Seigle's ointment, 1/12 Rooke's elixir, 1/12 McKenzies' complexion wafers, 3s. all. **TAGGART, Chemist, Merton Hall Road, Wimbledon.**
20 4 and 6 lb. labelled shop jars; 20 lb. new beeswax, 1 lb. counter scales, handsome tall pear carboy, stamp camera, Kodak tank box, Kodak machine; cash, or exchange optical or photographic or shop rounds. 30/10, Office of this Paper.
WHAT offers?—5 Post's C.B.Q.; 6 Rowland's Kalydor; 72 Powell's bals.; 5 2s. 9d. Itisso; 15 1s. ditto; 10 Porter's food; 4 oz. digitalin; 7 Parilla pills; 4 oz. colchicin; 96 Galvanit; 2 lb. ext. hydrastis liq.; 24 Gibson's voice loz. 19/10, Office of this Paper.

WANTED.

P.J.F. Lowest price, carriage paid, Bolton, 59 Scholes, Wigan.
VERY large mortar, pestle. State price, **BLANCHARD, 151 Strand, W.C.**
"PHARMACEUTICAL Journal Formulary." Lowest price to **LYALL, 7 Jeffrey Street, Edinburgh.**
MINOR books, materia medica cabinet, tincture press, 4-lb. ointment-jars. **HEXWOOD, Chemist, Maidenhead.**
JOB line glass pots, wide mouth, 1, 2, 3, and 6 oz.; also tin boxes, 2½ dia. Apply, 25/1, Office of this Paper.
GENERAL Optics (Laurance), Spectacles, Eye-glasses (Phillips); part exchange B.P. '98, new condition, or receive offer for **B.P. BARR, 45 Salisbury Road, Reading.**
OPTICAL books; Minor, Major Chemists' books; send prepaid for valuation; cash offers per return. **GOWER, Bookseller, Waterloo, Liverpool.**

TO BUYERS AND SELLERS.

We take every care to ensure that proprietary and other goods advertised in this column are genuine surplus stock of reputable persons in business, and are compelled to refuse advertisements sent by those who, when occasion requires, decline to satisfy reasonable inquiries as to their *bona-fides*.

We again call the attention of those who use this column for the sale or purchase of goods to the desirability of using our Deposit System. Some forward goods before they receive money for them, and others forward money to advertisers before they have even seen the goods. Disappointment in such circumstances is bound to happen now and then, and it is to prevent this, as well as to check fraud, that our Deposit System was instituted.

The buyer sends us the money for the goods, and when we hear from him that they are satisfactory, and not till then, we hand over the money to the seller. A commission of 6d. is charged by us on any transaction of 3l. or less, and 1s. if above that amount. The commission is payable by the buyer, and should be included in the money sent to us. All Cheques and Postal Orders should be made payable to "Edward Halse," and crossed "Martin's Bank, Ltd."

This section of the "C. & D." is reserved for advance notices of meetings or other events which are sent to the Editor by Wednesday of the week before the meetings, etc., occur.

Royal Society of Arts, John Street, Adelphi, London, W.C.,
at 8 P.M. Professor Vivian B. Lewes on "The Carbonisa-
tion of Coal" (Cantor Lecture II.).

Röntgen Society, Institution of Electrical Engineers, Victoria Embankment, London, W.C., at 8.15 P.M. Professor W. H. Bragge, F.R.S., on "The Energy of the x -ray."

Pharmaceutical Society of Great Britain, 16 Bloomsbury Square, London, W.C., at 11 A.M. Council-meeting.

Pharmaceutical Society of Ireland, 67 Lower Mount Street,
Dublin, at 3 P.M. Council-meeting.

Society of Public Analysts, Burlington House, Piccadilly, London, W., at 8 P.M. Among the papers are the following: Mr. J. A. Brown on "The Estimation of Small Quantities of Essential Oils in Spices, etc. Part II."; Messrs. G. Cecil Jones and Reginald F. Easton, "Note on Ground Almonds"; and Mr. Ernest J. Parry, "Note on Oil of Male Fern."

Midland Pharmaceutical Association, Grand Hotel, Birmingham, at 8.30 P.M. Mr. W. J. Uglow Woolecck on "Organisation."

Nottingham Pharmaceutical Association, Victoria Station
Hotel, 9 P.M. Mr. W. Gill on "Bacteria and Disease."

Thames Valley Pharmacists' Association, The Pagoda,
30 Hill Rise, Richmond, at 7 P.M. Whist-drive.
Tickets (2s. 6d. each, 4s. 6d. double) from Mr. W. H.
Peake, The Green, Twickenham, or Mr. Alfred Higgs,
42 Richmond Road, Kingston-on-Thames.

School of Pharmacy Football Club, Council Chamber, Holborn Restaurant, London, W.C., at 7.30 p.m. Smoking-concert. Tickets (2s. each) may be obtained from Mr. N. Pullen and Mr. H. G. Hopkinson, Hon. Secretaries, 17 Bloomsbury Square.

Chemical Society, Burlington House, London, W., at 8.30. P.M. Among the papers to be communicated are the following: "Chemical Examination of the Root of *Ipomoea orizabensis*," by Dr. F. B. Power and Mr. H. Rogerson; "The Constitution of Ergothioneine, a Betaine related to Histidine," by Messrs. G. Barger and A. J. Ewins; "The Absorption of the Halogens by Dry-slaked Lime," by Mr. W. A. R. Wilks; "The Decomposition of Nitric Acid by Light," by Messrs. W. C. Reynolds and W. H. Taylor; "Note on the Presence of Iodic Acid in Commercial Pure Nitric Acid," by Messrs. W. C. Reynolds and W. H. Taylor.

Bath Pharmaceutical Association, Literary Institution, at 8.15 p.m. Mr. W. J. Uglow Woolcock on "Local Organisation."

Chemists' Assistants' Association, 73 Newman Street, Oxford Street, London, W., at 9 P.M. Mr. C. T. Allen on "The British Pharmaceutical Codex."

Great Yarmouth Pharmaceutical Association. 155 King Street, at 8 P.M. Mr. T. B. Male will read a paper.

Hull Association of Pharmacists, Grosvenor Hotel. Annual dinner. Tickets (4s. each) from Mr. Walter Staning, Hon. Secretary, 455 Anlaby Road.

Liverpool Chemists' Association, Out-patients' Department
of the Royal Infirmary, Pembroke Place, at 8 P.M.
Inspection of new department, and account of the work
of the dispensary.

West Ham Association of Pharmacists, Earlham Hall, Forest Gate, London, E., at 7 p.m. Business-meeting, followed at 8 p.m. by a smoking-concert.

*Bournemouth Pharmaceutical Association, Gervais Hall
Restaurant, at 8 p.m. Mr. W. J. Uglow Woolecck on
"Pharmaceutical Topics" [corrected notice].*

Dundee Chemists' Assistants' and Apprentices' Association,
Mathers' Hotel, at 9.15 P.M. Mr. Thos. Stephenson
(Edinburgh) on "Mistakes and Bad Habits in Phar-
macy."

*Irish Chemists' Assistants' Association, 2 Aston's Place,
Dublin, at 8 P.M. Debate.*

SHEFFIELD PHARMACEUTICAL AND CHEMICAL SOCIETY.—The annual dinner will be held in the Grand Hotel on December 14. Tickets may be obtained from Mr. H. Antcliffe, Hon. Secretary, Union Offices.

BRADFORD CHEMISTS' ASSOCIATION.—The annual dinner will be held at the Great Northern Victoria Hotel on December 12. The President of the Pharmaceutical Society (Mr. C. B. Allen) will be present.

MANCHESTER PHARMACEUTICAL ASSOCIATION.—An assistants' evening has been arranged for December 13, at which a lecture with demonstrations will take place. An opportunity will be given to discuss the advisability of forming a junior section of the Association.

THE exercise set in our issue of November 4 was a problem in reading bad writing, and although it met with a good response, no competitor managed to give a correct transcription of the script. This is not surprising when one comes to study the difficulties, several of which are capable of more than one solution. Most of the post-cards gave the ingredients correctly, except that here and there aq. chlorof. was transcribed aq. camph. and aq. dest. The chief trouble was in the quantities and the directions, which in the original are very difficult to follow. The correct reading is as follows :

M ft. mist

Sig. Cap coch mag i o 4 h cum aq̃

The next problem is appended. Competitors are required to send their solutions, on post-cards, before December 9. Prizes will be awarded at the discretion of the Editor.

Det. H. bogi Kovat. 10.6.

M. 370 v. 8.

Enter after sup. ant. the car.

once ady & wash out - 625

butter - white - with $\frac{1}{4}$ lb Fat.

Leaf 13.

Ughed mit die. 31

SC 14 sub. ad 2.

Pointe au contact at-right.

SPANISH OLIVE CROP.—According to the Spanish Government report just issued, the area planted with olive-trees in 1911 was 1,435,117 hectares, this showing an increase of 18,995 hectares over the previous year. The total production of olive fruit had been estimated at 17,200,000 metric quintals—an excess of 6,000,000 quintals against last year, while the output of olive oil is placed at 6,100,000 quintals, or 2,000,000 quintals in excess of last year. The largest returns of yield are those of the provinces of Seville and Cardone. In the former province, the production of olives was 4,439,810 quintals and of olive oil 832,849 quintals, while Cardone yielded 3,000,000 and 582,000 quintals respectively. The next best producing provinces as to oil were Malaga with 250,000 quintals, Jaen with 180,000 quintals, Lérída with 124,000 quintals, Valance with 133,133 quintals, and Tarragon with 108,000 quintals.

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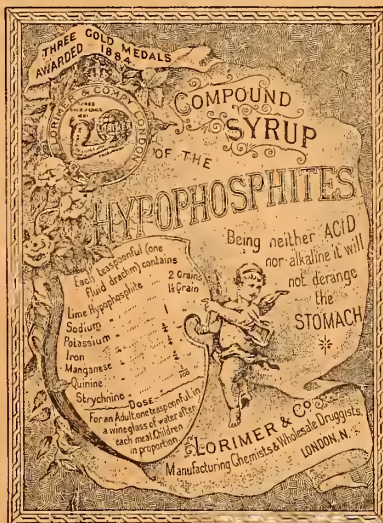
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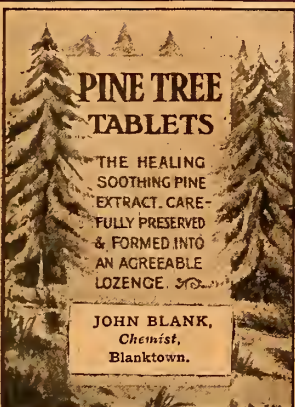
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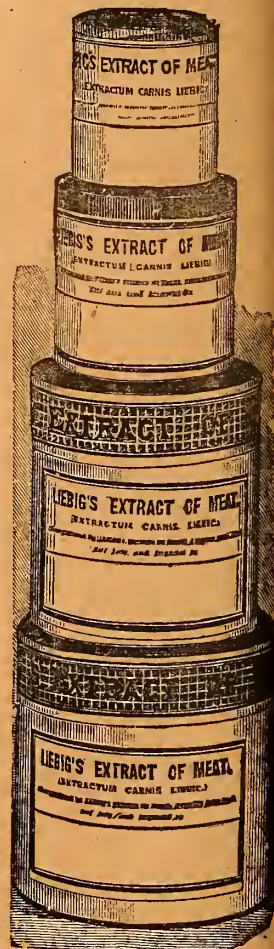
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